Washington Talks It Over—page 5

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Vol. 141 No. 16 — Schnell Publishing Company, Inc., Publishers — April 20, 1942

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400,000 U.S.P. units of Vitamin D per gram in neutral vegetable oil

Standard Brands Viosterol is an economical source of Vitamin D for tablets, capsules and oil-base mixtures.

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It does not infringe on the Steenbock patents. It is sold without restriction—no license is required for its purchase or use. There are no royalty charges.

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Special Products Dept.

Pharmaceutical Division

595 Madison Avenue, New York, N. Y.

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

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Rotenone Uses Restricted by M-133

OPD Washington Bureau
April 14, 1942

Because imports of rotenone from Malaya and the Netherlands Indies have been cut off, limitations on its use were ordered today by the Director of Industry Operations with issuance of Conservation Order M-133, effective immediately.

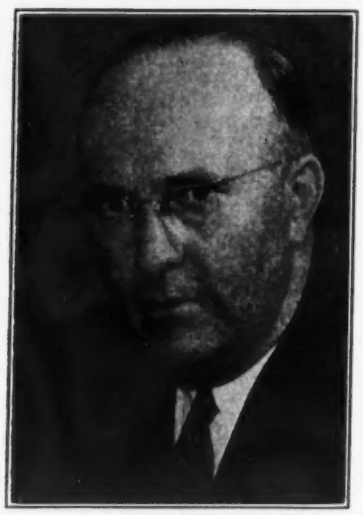
The chemical is used as a spray for food crops, particularly peas and beans; as a delousing agent; for household insecticides, cattle and poultry powders and as an ingredient in sprays and soaps for dogs, cats and other household pets. M-133 permits its continued use as a delousing agent and for food crops other than cotton, tobacco, cranberries, eggplant, cucurbits, onions, peppers and sweet corn. Household uses are prohibited. The order applies to manufacture of preparations containing rotenone and does

—Continued on page 58

Plant Industry Bureau Chief R.M. Salter

OPD Washington Bureau
April 14, 1942

R. M. Salter, chief of the Bureau of Plant Industry, has been named to succeed Dr. E. C. Auchter, recently appointed administrator of the Agricultural Research Administration, under which Secretary of Agriculture Wickard recently grouped eight research agencies of the department, including the Bureau of Plant Industry.



R. M. Salter

Mr. Salter, born in Huntington, Ind., has been active in plant and soil research for twenty-five years. From 1917 to 1921 he was agronomist and soil chemist at the West Virginia Ex-

—Continued on page 54

Atabrine Patent Licensing Urged

OPD Washington Bureau
April 16, 1942

Plans of Winthrop Chemical Company, subsidiary of Sterling Products, Inc., to contract only with Merck & Co. for additional production of atabrine, were reported today to be encountering opposition in government quarters where it is felt that other pharmaceutical manufacturers should be afforded the opportunity of participating in production of this substitute for quinine as an antimalarial. It is argued that this coaltar product, covered by a patented process devel-

—Continued on page 47

WPB Bars Heavy Trucks for Civilians

OPD Washington Bureau
April 14, 1942

The War Production Board today ordered all production of medium and heavy trucks for civilian use discontinued after existing quotas have been completed.

The stop-production order, Supplementary General Limitation Order L-1-e, applies also to off-the-highway vehicles for civilian use. These are heavy, rubber-tired vehicles too large for ordinary highway travel and used principally in construction and mining operations. Chief reason for the production ban is the shortage of rubber.

An A-3 preference rating for materials going into the production of medium, heavy and off-the-highway trucks will continue to be made available under Limited Preference Rating Order P-54.

Rubber Control Agency Sought

OPD Washington Bureau
April 15, 1942

Legislation providing for the construction of synthetic rubber producing plants by the Federal Works Administrator and establishing a new agency to be known as the United States Rubber Authority to coordinate and supervise the government's entire synthetic rubber program has been introduced in both the house and senate.

The bills, which are identical, are sponsored by Senator James E. Murray of Montana and Representative Alfred F. Beiter, of New York, and contemplate new plant construction capable of producing 400,000 tons a year, in addition to any other plants which have previously been constructed or provided for by the Reconstruction Finance Corporation.

In addition to coordinating and supervising the rubber program, the United States Rubber Authority, which would be capitalized at $100,000,000 and managed by a board of three directors, would also conduct research with respect to methods of producing synthetic rubber and other substitutes for rubber and with respect to uses for synthetic rubber and other rubber substitutes.

Economic Board Replaces RFC as Buyer of Imports

OPD Washington Bureau, Apr. 16, 1942

An executive order vesting in the Board of Economic Warfare full authority to buy materials essential for the war program and civilian needs in any world markets was issued today by President Roosevelt. The design of the order is to speed up the procurement of those strategic materials available outside the United States which are essential to industry production.

The effect of the order is to strip the Reconstruction Finance Corporation and its subsidiary defense agencies of their buying authority and to lodge this authority in the hands of the board to be exercised by Vice-President Wallace as head of the board and by Milo Perkins, executive director, who has been actually supervising the day-to-day operations of the agency.

The order stated that the Board of Economic Warfare shall receive directly from the War Production Board directives as to quantities, specifications, delivery time schedules and priorities of materials and commodities, other than arms, munitions, or weapens of war defined in the President's proclamation of May 1, 1937, which are required to be imported for the war production effort and for the civilian economy.

The board is also directed to determine the policies, plans, procedures, and methods of the several departments of the government with respect to the procurement and production of such materials and commodities, including the financing thereof.

Another section of the order provides that the board shall advise the Department of State on terms and conditions to be included in master agreements with nations receiving lease-lend aid. The special responsibilities of the board will be to arrange for receipt by the United States of reciprocal aid and benefits other than arms or munitions.

Heretofore most of the government's importation of essential war materials has been in the hands of the Rubber Reserve Company, the Metals Reserve Company, and the Defense Supplies Corporation, subsidiaries of the Reconstruction Finance Corporation. It is understood that failure of the agencies to acquire adequate stockpiles of many essential products before the Far East sources of supply were shut off is the reason behind the issuance of the order by President Roosevelt.

Dr. Becker Awarded Mendel Medal

Villanova College will award the Mendel Medal for outstanding achievement in science this year to Dr. Joseph A. Becker, research physicist of the Bell Telephone Laboratories. Presentation of the medal will take place at a faculty dinner at the college May 3.

Dr. Becker will be the fourteenth scientist to receive the award since it was founded in 1929 to commemorate the work of the Augustinian abbot, Gregor Johan Mendel, the discoverer of the Mendelian laws of heredity.

Dr. Becker's research has covered work in the field of magnetism, X-rays and electron conduction in solids, variable resisters and thermistors. He has used the electron microscope to good advantage in the study of thoriated tungsten and has indicated other fields for this new instrument.

Before joining the Bell Telephone Laboratories in 1924, Dr. Becker served on the faculties at Cornell University, California Institute of Technology and Stanford University.

OPA Makes Personnel Shifts

OPD Washington Bureau
April 16, 1942

George Cushman has been appointed chief of the agricultural chemicals section of the Office of Price Administration, with headquarters in Baltimore. Mr. Cushman has been serving since March 1 as a consultant in the agricultural chemicals section.

T. E. Milliman, formerly chief of the agricultural chemicals section of OPA, who for the past several weeks has been dividing his time between OPA in Baltimore and WPB in Washington, will now give more time to WPB as consultant to Herbert Meyers on nitrogen problems and to Melvin Goldberg on spray materials.

Fred W. Thomas, formerly head of the feed and grain unit, has been made associate price executive in the food section. Mr. Thomas, prior to his association with OPA, was vice-president of the Larrowe Milling Company, Detroit, Michigan. He is on leave of absence from that organization.

—Continued on page 32

U.S. Adds 452 Names To Trade Blacklist

OPD Washington Bureau
April 16, 1942

The United States has added 452 more firms and individuals to its trading with the enemy blacklist. The firms and individuals are located in Latin America and European neutral countries.

The State Department named forty-two firms and individuals in the other American republics and 110 others in Portugal, Spain, Sweden, Switzerland and Turkey.

There are now approximately 7,500 firms and individuals in these countries on the United States blacklist.

Cinchona Cultivation in Latin America

By Wilson Popenoe
Plant Research Expert for United Fruit Company

Excerpts from an article in Agriculture in the Americas for March, 1942

Most of the world's quinine is produced by the calisaya type of the cinchona tree, native of southern Peru and Bolivia. *Cinchona Ledgeriana*, or the Ledger form, is a type of *Cinchona officinalis*, which latter is considered by some modern authorities to be the true botanical species—including the *Cinchona calisaya* of Weddell. Quite different in character is *Cinchona succirubra*. Its bark rarely yields more than 2 or 3 percent of quinine, while that of good Ledger trees commonly averages 7 percent or higher. Succirubra is mainly employed today as stock plant on which to graft the less robust ledgeriana, although the former is cultivated to a limited extent for the production of barks used in the form of "quills," narrow strips which roll up on drying, for pharmaceutical purposes and for the medication of wines.

Quinine production is not completely extinct in the Western Hemisphere. For some years there have been small commercial plantations of calisaya in the mountains of Bolivia, a country which in 1938 exported almost 2,000,000 pounds of cinchona bark to Europe. Plantings of succirubra were made many years ago and still exist (usually in a more or less abandoned state) in Ecuador, Colombia, Guatemala, and perhaps a few other countries. These sources, however, are at present far from sufficient to supply Western Hemisphere needs. That is why, as the world political situation has grown steadily more confused the last few years, the American governments and private American drug interests have fostered experimental work looking toward the development of quinine sources in those Latin American countries where conditions are favorable. These efforts have been concentrated on the plantation production of higher-yielding types of cinchona such as the Ledger. Guatemala has been the scene of the greatest activity, although experiments have also been started in Brazil, Venezuela, Colombia, Costa Rica, Mexico, and elsewhere.

—Continued on page 50

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

Apr. 17, 1942	Apr. 10, 1942	Apr. 18, 1941
146.9	**146.4**	**115.8**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Perfume oils were last week again the chief performers in a further upping of price levels in the markets for chemicals, oils, and drugs; a derived aromatic, menthol, helped. There was a "stranger" in the week's transitions: the average for heavy oils was lowered by a cut in the price of linseed oil. Price changes, as a whole, were not numerous; in the coaltar region they were counterbalanced; and this was so also in respect of Oriental spices.

Business narrowed in volume, largely because transportation's inadequacy at the far outgoing end has laid a deterring hand on the need to keep lend-lease supplies rolling to the ports. One consequence was a greater availability of materials for private exporting—but there were no ships for this either.

Prices were advanced on menthol, oils of geranium, lemongrass, patchouli, and vetiver, some spices, crude naphthalene, castor beans, and domestic dried blood.

Prices were reduced on silicofluoride of soda, cresols, linseed oil, soybean meal, gum rosins, gum turpentine, saffron, some cassias and cinnamons, bay leaves, and nitrogenous fertilizer residue in the Midwest.

Closing Markets

Dehydrated Castor Oil Up

Dehydrated castor oil was advanced by producers late last week to 17.7c. per pound in tankcars and 18.6c. per pound in drums in car lots.

Linseed Oil Firmer

Linseed oil was firmer late last week with flaxseed. Oil quotations were advanced by crushers to 13.2c. to 13.4c. per pound in tanks.

Lard Stocks Drop Sharply

Lard stocks in Chicago dropped 25,966,590 pounds during the first half of April against a decrease of only 2,783,899 pounds in the same time last year. Stocks there April 15 were 71,406,569 pounds, or 120,106,850 pounds less than a year ago.

Tanning Materials Unchanged

The market for the various tanning materials showed little change at the close of the week. The question of cargo space continued as the paramount problem.

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Whittaker, Clark, Daniels Elects C.E. Clark Head

Clarence E. Clark has been elected president of Whittaker, Clark & Daniels, Inc., minerals and paint products, this city. He succeeds his father, the late Samuel H. Clark, who died November 13, 1941. Other new officers elected were:—Vice-president, W. Wallace Roff; assistant secretary, John A. Seidler, and assistant treasurer, L. E. Clark. Harold G. Robinson and John A. Franklin were reelected vice-president and secretary-treasurer, respectively.

Mr. Clark started with the company in 1927 in the warehouse. He worked through the organization until he became vice-president, the office he held until the recent election. Mr. Roff, formerly assistant secretary, has been with the firm for twenty-four years. Mr. Seidler, who started with Whittaker in 1933, will retain his post as manager of the magnesia products department.

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Packaging Conference Discusses Substitutes

The doubt that tin will ever find its way back into the packaging of numerous classes of products in which it has hitherto been used almost exclusively was expressed last week by Dr. E. C. Merrill, assistant vice-president in charge of research for the United Drug Company, Boston. He was a speaker at the twelfth annual Packaging, Packing and Shipping Conference and Exposition, held at the Hotel Astor by the American Management Association.

As a substitute container for numerous dry products, including botanical drugs and psyillium seed, his company had found a highly-protective, moisture-resistant container in the wax-lined cylindrical paper ice cream type package, Dr. Merrill said. In the pharmaceutical line the use of varnished labels and glassine wrappings has been developed, with the elimination of the outside carton, he added.

The reduction of frills and small sizes was predicted by Joel Y. Lund, vice-president of the Lambert Phar-

—Continued on page 56

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Sulphuric Acid Use Faces Restriction

OPD Washington Bureau
April 17, 1942

The situation in sulphuric acid supplies is causing concern in war agency circles. But, the possibilities of a price ceiling on the material are generally believed to be remote.

The "pinch" appears to be in supplies at North Atlantic ports and other coastal centers where water-borne stocks of sulphur either have been exhausted or are nearing the exhaustion point.

The probabilities voiced are that some form of regulation of the acid may be undertaken to conserve supplies, which would make unnecessary the application of a price ceiling.

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Rayon Yarn Warp Sizing Research Plan Broadened

OPD Washington Bureau
April 16, 1942

Research on warp sizing of spun rayon yarns now being carried out under the auspices of Textile Research Institute, Inc., are to be broadened as a result of a conference held here last week, attended by representatives of the textile mills, manufacturers of sizing materials, and machinery companies.

Practical experiments on sizing spun rayon warps now being conducted at North Carolina State College Textile School are to be supplemented by fundamental studies on properties of sizing materials. Blended yarns containing spun rayon in admixture with other fibers also may be included in the investigations.

Dr. Milton Harris, director of research of the institute, told the gathering that warp sizing of spun rayon as carried out today is largely an empirical procedure and fundamental research on the adhesiveness, strength, flexibility, film-forming, and other properties of sizing materials should yield data which would permit the setting up of specifications for sizes which would give satisfactory results from the standpoint of both the weaver and the finisher.

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Sterling Products L.A. Activities Probed

OPD Washington Bureau
April 17, 1942

The Treasury Department is investigating the extent to which Sterling Products, Inc., and its various subsidiaries are living up to the terms of last August's consent decree which bound them to become compeitors, rather than cooperators and collaborators, with units of the German I.G. Farbenindustrie in the sale of drugs in Latin America. The department says that its interest is in the "extent and vigor of Sterling Products' participation in the war against the Axis on the economic front."

Magnesium Patents Opened to Industry

A consent decree providing for the compulsory free licensing of patents for the production and fabrication of magnesium was entered before Judge Henry Goddard, in the United States District Court for the Southern District of New York April 15. The action brought to a close a long-standing antitrust action against five firms and six individuals.

Fines levied against the defendants, who pleaded nolo contendere to an indictment charging violation of the antitrust laws in the production and fabrication of magnesium, were:—

Aluminum Company of America, $25,000; Dow Chemical Company, $25,000; American Magnesium Corporation, $25,000; Magnesium Development Corporation, $20,000; General Aniline and Film Corporation, $15,000; Arthur V. Davis, chairman of Alcoa, $5,000; Roy A. Hunt, vice-president of Alcoa and vice-president of American, $5,000; Irving W. Wilson, vice-president of Alcoa, $5,000; Willard H. Dow, president, and Earl W. Bennett, vice-president of Dow Chemical, $5,000 each; and Karl Hochschwender,

—*Continued on page* 49

Shellac Order M-106 Affects Uses, Stocks

OPD Washington Bureau
April 14, 1942

The War Production Board today reduced the output of phonograph records and radio transcriptions to approximately 30 percent of 1941 production by limiting the amount of shellac available to that amount. Order M-106, issued today by J. S. Knowlson, Director of Industry Operations, also freezes 50 percent of all inventories of shellac of 10,000 pounds or more and 50 percent of all future imports. The order is effective today.

Uses other than the manufacture of recordings are restricted to 75 percent of the corresponding period of 1941 until June 30, and 35 percent by quarters thereafter. Reason for the drastic action is that India is prac-

—*Continued on page* 39

N.Y. Paint Club Slate Headed by Gillespie

Louis Gillespie, of Gillespie-Rogers-Pyatt Company, has been nominated for the presidency of the New York Paint, Varnish and Lacquer Association. Election will be held at the May 14 meeting. Other officers nominated include:—Vice-president, Leo Roon, of the Roxalin Flexible Lacquer Company; secretary, Page N. Hamilton, of the Harshaw Chemical Company, and treasurer, Hendrick E. Hendrickson, of S. Winterbourne & Co.

The nominating committee also named the following to serve for two years as members of the club's executive committee:—Ralph H. Everett, of the Keystone Varnish Company; Samuel Klein, of the Calco Chemical Division of the American Cyanamid & Chemical Company, and Leo Silverstein, of Benjamin Moore & Co.

To serve as delegates to the fifty-fifth annual convention of the national association the following were named:—

James H. Abraham, of the Clover Leaf Paint & Varnish Corporation; Thaddeus E. Alwyn, of the American Can Com-

—*Continued on page* 36

Electric Generating Equipment L-Order Issued by WPB

OPD Washington Bureau
April 14, 1942

Used electric generating equipment and used steam boilers frozen today by order of the War Production Board. This action was taken to promote efficient use of such equipment in the war effort, when it becomes available. Dealers in such equipment have been notified by telegram that they may not sell, lease or option used electric generating equipment or used steam boilers without specific authorization from the Director of Industry Operations. Today's order, L-102, extends the prohibition to cover all persons with such equipment in their possession.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The President's order transferring the business of buying and importing all materials considered essential to the war effort from RFC and its agencies to the Board of Economic Warfare marks one of the most important steps taken in recent months to gear the government's diplomatic machinery to war.

It means, according to those close to the problem, economic warfare in its truest sense, for it centers in BEW decisive authority over preclusive buying and discards the banker-minded policies followed by the RFC agencies under the direction of Banker Jesse Jones.

The transfer comes about because of the feeling that Mr. Jones had been prone to weigh applications of the board for purchases abroad too much from the standpoint of a business deal. In modern warfare the accent is on keeping supplies from falling into the hands of the enemy—not to view each transaction from the profit angle. That can oftentimes be done only by "gettin' thar fustest with the mostest" —money! This is the plan that the board has always wanted to follow. Now it can go ahead.

Every Knock a Boost

To be patriotic you should have "a little knock" in your motor. So says Petroleum Coordinator Ickes who, this week, came up with a set of eight suggestions on how to save gasoline when the rationing program begins.

Take it from Mr. Ickes:—a properly adjusted motor will always "knock a little" on inclines and under a load, and the man who proudly says his motor never knocks is a gasoline hog.

According to the coordinator, motorists can save 20 percent in their gasoline bills by driving more carefully and paying more attention to the mechanical condition of their cars, which comes as a surprise to some of us who have prided ourselves on our driving.

Gather Up the Gumshoes

The wastepaper collection program has proved so successful in building up a backlog of inventories for the mills that the War Production Board has decided to extend the plan of salvage-for-victory into the field of scrap rubber.

Housewives are being asked to save rubber jar rings, old hot-water bottles, raincoats, and other discarded items for the junkman to meet a crisis in scrap rubber that is equal to that in the wastepaper field a few months back.

Industries will turn the scrap rubber into the thousand-and-one useful civilian articles which are daily facing curtailment because of the supply shortage.

Subcontracting the War

The War Production Board is finding that one of the hardest nuts to crack in the whole production program is how to convince the prime contractors that they should spread more of their work among other firms.

No one doubts that this has already been done to a great degree, but there is still room for improvement and hardly a week goes by that some official does not stress the need for an expansion of this policy on the part of the contractors.

Aside from the social benefits of the program of providing jobs for the thousands of workers who otherwise might be deprived of employment by industries shutdown by lack of supplies, more subcontracting will speed up deliveries and in turn speed the end of the war.

"Production speed is the dominant factor in the race with the Axis; we have no time to wait for new tools and new plant facilities," Mr. Nelson warns. But, some ask, should the jobs go out or the men come in?

Nickel Going South

Cuba may step into the limelight as one of the major world sources of nickel before long and become a strong competitor for Canada to reckon with when the war is over.

The War Production Board talks of "large deposits of low-grade ores blanketing the wooded plateau of northeastern Cuba" which tests show contain up to 1½ percent of nickel—so $20,000,000 of RFC money is being put into the construction of a plant and facilities to extract the valuable metal.

Practically all of the United States supply of nickel is imported from Canada which now produces 85 percent of the world's output. But the flow from Canada, although at peak levels, has been overtaken by mounting war needs in spite of priority controls.

Too Many New Plants

Waste of materials in construction of new plants is presenting a problem to the War Production Board that forecasts adoption of a tighter policy on issuance of priority ratings and a decline in the dollar volume and number of new projects.

Government agencies and private companies who want to build new plants are to be told hereafter to make more efficient use of their existing facilities, install their machinery in idle factories and turn over some of their work to subcontractors who can perform the task just as well with their own equipment.

The new policy is to be put into effect by coordinating all construction under the WPB bureau of construction, headed by William V. Kahler, former chief engineer for the Illinois Bell Telephone Company, whose present task is to expedite the construction of plants for the army, the navy and other government agencies.

Less Building Means More

The construction industry is not going to be hurt by the WPB order prohibiting nonessential civilian building, for more government war construction work is scheduled for this year than the industry may be able to undertake.

By shutting down nonessential building, approximately 250,000 laborers now engaged on projects of this type will be freed to work on essential programs, but the program is so large that an additional 250,000 workers will be needed to handle the anticipated volume.

Latest estimate of the volume of military and civilian construction, such as airfields, war plants, camps, shipyards, and war housing, scheduled for this year is $13,750,000,000, or 20 percent more than last year when the volume hit its peak. This means that about $1,250,000,000 will be spent each month on construction.

Inflation—Oh, Yes; That's—

What is inflation and when does it start? This question is becoming the basis of another tug-of-war between the congressional farm bloc and the administration that will break out in the open when Congress gets down to consideration of the projected new anti-inflation program.

In spite of all the signals pointing to the danger of oncoming inflation, the farm bloc remains unconcerned as ever, being unable to see the forest for the trees. In fact the bloc's contention is that the country is still in a period of deflation.

Inflation, according to its version, is just something to talk about and not worry about so long as the purchasing power of the dollar remains above 100, based on 1926 prices. This means that wheat could rise to $1.50 bushel and cotton to over 20 cents a pound before the bloc would acquiesce to

—*Continued on page* 35

Chemicals Listed As Implements of War

OPD Washington Bureau
April 14, 1942

Upon recommendation of the National Munitions Control Board, President Roosevelt today proclaimed that the following articles are to be considered arms, ammunition and implements of war:—

Mustard gas (dichlorethyl sulphide)
Lewisite (chlorvinyldichlorarsine and dichlordivinylchlorarsine)
Methyldichlorarsine
Diphenylchlorarsine
Diphenylcyanarsine
Diphenylaminechlorarsine
Phenyldichlorarsine
Ethyldichlorarsine
Phenyldibromarsine
Ethyldibromarsine
Phosgene
Monochlormethylchlorformate
Trichlormethylchlorformate (diphosgene)
Dichlordimethyl ether
Dibromdimethyl ether
Cyanogen chloride
Ethylbromacetate
Ethyliodoacetate
Brombenzylcyanide
Bromacetone
Brommethylethyl ketone
Propellent powders
Nitrocellulose having a nitrogen content of more than 12 percent
Trinitrotoluene
Trinitroxylene

—*Continued on page* 31

Electrochemists Elect Prof. Baker President

Prof. Edward Myron Baker was elected president of the Electrochemical Society, at the eighty-first annual meeting held in Hotel Hermitage, Nashville, Tenn., April 15-16. Dr. R. M. Burns, of the Bell Telephone Laboratories, was re-elected treasurer and Dr. Colin G. Fink of Columbia University, was re-elected secretary.

The first session, headed by Dr. John D. Sullivan, of Columbus, Ohio, was devoted to " Electric Furnace Reactions." Dr. Frank R. Kemmer, of Larchmont, N. Y., recently returned from Australia, discussed the Australian electric steel industry. W. A. Darrah, of Chicago, reported upon the electric steel industry of Brazil. There

—*Continued on page* 31

Mining Machinery Makers Get Broader Priority Aid

OPD Washington Bureau
April 13, 1942

Broader application of priority assistance for the production of mining machinery and equipment is provided by amendments to Preference Rating Order P-56-a issued today. As announced March 3, paragraph (b) (1) of the order permitted the assignment of ratings only for material to be delivered to operators as defined in Preference Rating Order P-56, the general mine order.

Today's amendments will permit companies using ratings assigned by P-56-a to make deliveries to South American copper companies operating under Preference Rating Order P-58, to iron and steel producers under P-68, to smelters under P-73. Upon application, special permission may also be given by the director of industry operations for deliveries of materials obtained by use of ratings assigned under P-65-a to fill other rated orders.

Baragwanath to Supervise Cuban Nickel Project

J. G. Baragwanath, American mining engineer, has been named vice-president of the Nicaro Nickel Company, newly formed subsidiary of the Freeport Sulphur Company, this city, and will take charge in Cuba of the company's new project to develop Cuban nickel ores. He is a member of the American Institute of Mining and Metallurgical Engineers and vice-president of the Mining and Metallurgical Society of America.

The Reconstruction Finance Corporation has made available $20,000,000 to Nicaro for the construction of a nickel recovery plant. The company will treat low grade ores.

"Man-Hours" of Research
. . . Do you realize how many man-hours of research are spent in the constant improvement of N. Y. Q. products?
Hour after hour—day after day—month after month—research is being carried on in the laboratories of N.Y.Q. for the improvement of our products — to assure highest quality and to control manufacture from raw materials into finished substances. That is why so many satisfied customers have confidence in products carrying the N.Y.Q. label.
Dignify your Prescription Department by using the NYQ label.
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MANUFACTURERS OF
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Bismuth Subgallate
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Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona Alkaloids
Iodine Resublimed
Iodoform
Potassium Iodide (Cryst.-Gran.-Powd.)
Quinine Sulfate and other Quinine Salts
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Strychnine Sulfate
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Oil Industry Nationalizing Unlikely

OPD Washington Bureau
April 16, 1942

Full support of the regulatory authorities of the oil producing States of the government's efforts to conserve supplies for the war was pledged Harold L. Ickes, petroleum coordinator, at a two-day meeting of the National Conference of Petroleum Regulatory Authorities.

The group in turn was advised by the coordinator that the government has neither plans nor desires to nationalize the oil industry, or to invade unnecessarily the powers and prerogatives of the States. He urged, however, that the State officials forget State lines during the war and to work together for maximum production of the things needed for victory.

The conference threw its support behind the coordinator's program in a dozen resolutions adopted at its final session. The most important recom-

—*Continued on page* 31

Natural Resins Use Restricted

OPD Washington Bureau
April 16, 1942

With war demands growing for both plastics and paints, and only limited supplies of natural resins being received, the War Production Board today ordered a sharp curtailment of civilian use of natural resins in Conservation Order M-56.

Effective immediately the order in the main restricts the use of natural resins in any calendar quarter to 50 percent of the amount used in the corresponding quarter, while in the manufacture of rotogravure inks the restriction is to 75 percent of the amount used in the corresponding period.

Use of natural resins in barn paint, farm equipment finishes, floor finishes, freight car paints, interior house paints, pencil finishes, playing card finishes, porch and deck paints, road-

—*Continued on page* 40

Petroleum Supply Houses P-83 Order Revoked

OPD Washington Bureau
April 16, 1942

Preference rating order P-83, under which priority ratings have been assigned to a considerable number of petroleum supply houses, was revoked today by the Director of Industry Operations. This action was taken because the supply houses affected may now obtain priority assistance either by extending the ratings on orders received by them from petroleum enterprises, or by applying for preference ratings on the distributors' form PD-1X. All serially numbered copies of P-83, as issued to individual supply houses, are immediately revoked. However, deliveries already rated under the terms of P-83 may be completely in accordance with the rating.

Petroleum Geologists To Meet April 22-24

Petroleum geologists and other scientists engaged in exploration for new oil fields will attend the joint annual meeting of the American Association of Petroleum Geologists, the Society of Economic Paleontologists, and the Society of Exploration Geophysicists at the Cosmopolitan hotel, Denver, Colo., April 22 to 24. E. L. DeGolyer, of the Office of Petroleum Coordinator, Wallace Platt, Standard Oil Co. of New Jersey, and Carey Croneis, of the University of Chicago, will address the opening session. Technical papers by members of the three associations will be given the last two days of the meeting.

A joint conference on April 22 will discuss war and post-war problems, and the role of exploration in meeting the emergency requirements for various special types of crude oil and petroleum products. A second conference will be devoted to the war problems of personnel. Committee meetings are scheduled for April 21.

Oiticica Oil Use Limited by WPB

OPD Washington Bureau
April 16, 1942

Oiticica oil was made subject of the terms of order M-57, which controls tung oil, by action of the director of industry operations of the War Production Board today. Oiticica oil is derived from a nut grown only in Brazil and is a substitute for tung oil. The amended order restricts the use of either oil, any combination of them, or a mixture of either with other oils to:—

War orders with ratings of A-2 or higher; orders placed by Defense Supplies Corporation; orders for the manufacture of linings or coatings for cans used in food processing; and orders to comply with safety, underwriter or sanitary regulations.

Tung oil restrictions are necessary because of the loss of imports from China and oiticica oil because of crop failure in Brazil. The oils are used in essential protective coatings, in brake linings and as waterproofing agents.

Olive Oil Ass'n Elects W.A. Benz President

Walter A. Benz of Strohmeyer & Arpe, this city, has been elected president of the Olive Oil Association of America. Carlo Bertolaia, of Locateeli & Co., and A. J. Bendin, of Bortolo, Bendin, Inc., were made vice-

Walter A. Benz

presidents, and M. Charles Segui, of Briones & Co., was elected secretary-treasurer.

Elected directors were:—E. H. Jacobson, Albert N. Cory, Ercole Sozzi, Jose M. Calderon, A. William Gerosa, N. C. Lekas, Clifford T. Weihman, and Bradley H. Mawer.

Zinc Oxide Sales Set High Mark in 1941

Sales of leaded zinc oxide established a new high record by a wide margin in 1941 and those for zinc oxide were the highest recorded since 1929, according to the Bureau of Mines. Total sales of lead-free and leaded zinc oxide in 1941 had never previously been exceeded. Production, sales and value of zinc oxide and leaded zinc oxide during the past two

—*Continued on page* 36

Flaxseed Loan Rates for 1942 Issued

OPD Washington Bureau
April 14, 1942

The Department of Agriculture announced today the loan rates on flaxseed produced in 1942. The loan rate No. 1 flaxseed will be $2.40 a bushel delivered at Minneapolis, St. Paul, Duluth, Chicago, and Portland; $2.45 at Los Angeles and San Francisco; and $2.35 at Kansas City, Mo.

Loan values at local stations for flaxseed in storage on the farm or in country warehouses will be determined on the basis of the terminal

—*Continued on page* 62

U. S.-Canada Sign Pact On Oil-Bearing Crops

OPD Washington Bureau, April 16, 1942

President Roosevelt has approved two joint arrangements affecting agriculture, which were recommended by the Joint Economic Committees of Canada and the United States. The arrangements have also met the approval of the Prime Minister of Canada. The first arrangement provides for increasing the production of oil-bearing crops in the United States and of oats, barley and flax in Canada, to meet wartime needs of both countries. The second arrangement provides for facilitating the seasonal movement of farm labor and machinery across the common boundary.

Text of the approved recommendations and arrangements, in part, follows:—

The United States to increase its acreage of oil-producing crops with the object of alleviating the impending shortage of oils in both the United States and Canada.

Canada to increase its acreage of flaxseed to provide as large a volume as possible for domestic needs and an excess to offset in part the reduction in North American imports of vegetable oil and oil seeds.

Canada shall facilitate the delivery in the United States, at the then current United States prices, of whatever quantity of flaxseed, oats, and barley Canada may be in a position to supply.

The United States shall not impose additional restrictions on the importation of flaxseed, oats and barley moving from Canada to the United States.

The United States shall facilitate the sale to Canada, at the then current United States prices, of whatever quantity of vegetable oils or vegetable oil seeds the United States may be in a position to supply.

Canada shall not impose additional restrictions on the importation of vegetable oils or vegetable oil seeds moving from the United States to Canada.

Flax Acreage Increase Seen

Minneapolis, Apr. 15, 1942

A belated Spring season through the Northwest keeps the matter of flax acreage more or less of an enigma. However, latest advices promise good results. Late snowfall kept lowlying fields wet and hard to prepare and work on higher tableland met with some interference. Seeding operations through Southern Iowa, parts of Kansas and Nebraska are completed, with a possible gain of 100,000 acres in Kansas. There was also an increase of acreage through Southern Iowa and Nebraska. An estimate of the finale of these States was not available.

Farmers through South Central and Southwestern Minnesota are plowing twenty-four hours daily to catch up with their work and, having completed much of their wheat seeding, are now planting flax and other grains. Through the use of flood and headlights crews are kept at work at night where the land has dried out adequately. A great deal of progress is being made up to Central North Dakota.

South Dakota seeding met with se-

—*Continued on page* 43

Cottonseed Ass'n To Meet May 4-5

The forty-sixth annual convention of the National Cottonseed Products Association will be held in the Rice hotel, Houston, Tex., May 4 and 5. The program follows:—

"Linters and the War," Edgar L. Pearson, chief, cellulose unit, War Production Board, Washington.

"Get in the Scrap," George C. Gibbons, regional director, industrial salvage section, War Production Board, Dallas, Tex.

"Possible Effects on Cottonseed Oil Mills of the 1942 Goals for Oil Seeds," Guy S. Meloy, in charge, Agricultural Marketing Administration, Department of Agriculture, Washington.

"Marketing Oilseed Crops," A. M. Dickson, in charge oilseeds section, Agricultural Marketing Adminstration, Department of Agriculture, Washington.

"Trade Barriers in the War Effort," Paul T. Truitt, chairman, interdepartmental committee on interstate trade barriers, Department of Commerce, Washington.

U.S.P. Cuts Mercury Content of Ointments

Two interim revisions of the United States Pharmacopeia reducing the amount of mercury in "blue ointment" and ammoniated mercury ointment have been issued by E. Fullerton Cook, chairman of the U.S.P. committee of revision.

The revisions are effective as of the date of the notice, April 4, but will not become enforceable until November 1. The changes, while being made on purely therapeutic grounds, are being made effective immediately to conserve stocks of mercury for war.

The revisions, issued in interim revision announcement No. 5, reduce the mercury content of mild mercurial ointment (blue ointment) from 30 percent to 10 percent, and cut the white precipitate in ammoniated mercury ointment from 10 percent to 5 percent.

Professor Cook reports that the new United States Pharmacopeia will be available on or about July 1, to become effective about November 1. A number of "war" changes in U.S.P. formulas are under consideration.

Export Licenses Voided For Molded Products

OPD Washington Bureau
April 14, 1942

Because of the growing shortage of basic materials, the Board of Economic Warfare, Office of Exports, today announced the revocation of certain general licenses for exporting seven commodities, effective April 27, 1942. After that date, the following articles and materials may be exported under general license to Canada, Great Britain and Northern Ireland, Newfoundland, Greenland, and Iceland only:—

Molded products of phenol-formaldehyde, fabricated; molded products of nylon; molded products of urea-formaldehyde, fabricated; molded products of synthetic gums and resins, not elsewhere specified; synthetic resin products, not elsewhere specified; cellulose acetate manufacturers, not elsewhere specified; and manufactures of all compounds of cellulose, not elsewhere specified.

Menhaden Fishing Restrictions Hearing Set

OPD Washington Bureau
April 13, 1942

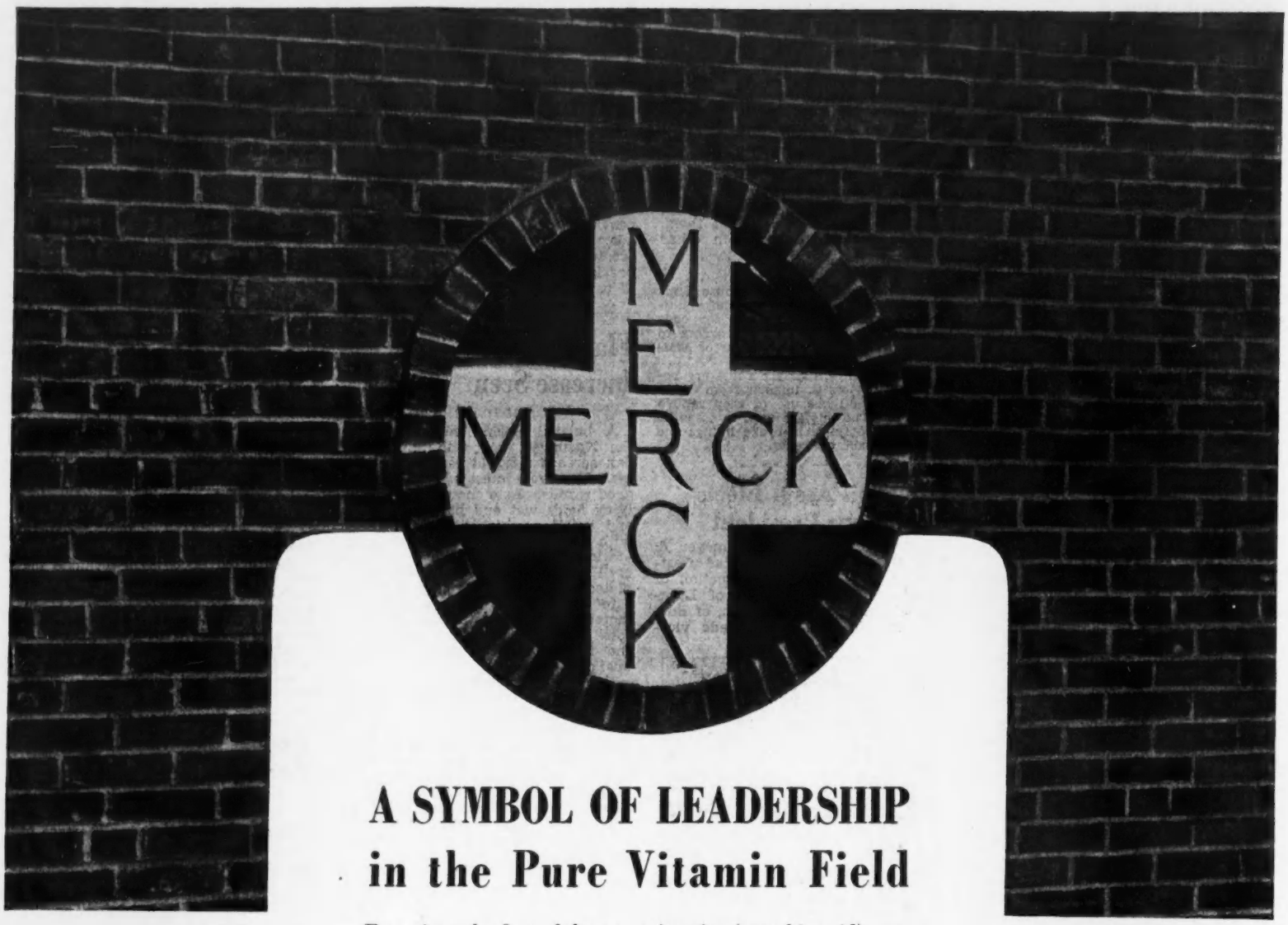
Hearings will be held beginning April 23 before the house committee on merchant marine and fisheries on the Traynor bill (H.R. 6885) temporarily suspending operation of State laws imposing restrictions on menhaden fishing.

Products and by-products of the industry includes oils and fats and their by-products, used for glycerin extraction and soapmaking, for drying-oil purposes, for the tanning of leather, and as important ingredients of poultry and stock feeds. The menhaden fish is found in the Atlantic and Southern coastal waters of the United States.

Chicago Perfumery, Soap Ass'n Has Barter Dept.

Chicago, Apr. 16, 1942

A barter and exchange department to assist members in securing scarce raw materials has been established by the Perfumery, Soap and Extract Association. The association will issue a bulletin at regular intervals which will contain a list of items needed by various members and a list of items offered. The department will be on a non-profit basis, with the association acting as a medium of contact, not as a broker or participant. All trading will be directly between members.



A SYMBOL OF LEADERSHIP in the Pure Vitamin Field

Ever since the first of the pure vitamins (ascorbic acid) was synthesized in 1934, the name Merck has been identified with leadership in the synthesis, development, and production of these vitally important substances.

The growing list of Merck contributions in this field emphasizes the outstanding rôle being played by Merck chemists and their collaborators in making available pure vitamins of known and uniform potency.

The identity of pure vitamins produced by chemical synthesis, and pure vitamins derived from natural sources—in chemical composition, physiologic function, and physical characteristics—is definitely and authoritatively established.

It is therefore possible to formulate desirable vitamin combinations with consummate ease. By using these pure chemicals of known and uniform potency, the proportions of the individual vitamins can be readily adjusted to meet the pharmaceutical manufacturer's specific requirements. It is only through the use of these pure vitamins that the high dosages indicated in severe deficiency states can be provided.

Catalytic Synthesis in Vapor Phase

Isolation of a Vitamin

Chemical Assay of Vitamin B_1

Analytical Test in Vitamin Procedure

MERCK PURE VITAMINS

THIAMINE HYDROCHLORIDE U. S. P.
(Vitamin B_1 Hydrochloride)

RIBOFLAVIN
(Vitamin B_2)

NICOTINIC ACID U.S.P.
(Niacin)

NICOTINIC ACID AMIDE
(Niacin Amide)

VITAMIN B_6 HYDROCHLORIDE
(Pyridoxine Hydrochloride)

CALCIUM PANTOTHENATE DEXTROROTATORY

ASCORBIC ACID U.S.P.
(Vitamin C)

VITAMIN K_1
(2-Methyl-3-Phytyl-1, 4-Naphthoquinone)

2-METHYL-NAPHTHOQUINONE
(Menadione)
(Vitamin K Active)

ALPHA-TOCOPHEROL
(Vitamin E)

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Current Market Quotations

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April 17, 1942

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes, trends and resale prices are noted in the market reports, with other informative comment. The locations of the several reports is indicated on page 4.

A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .36 - —
smaller lots.....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots.....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —

Acetoacetanilide, dms.....lb. .56½- .73½

Acetone, CP,[1] dms., c.l., dlvd..lb. .08½- .168
l.c.l., dlvd.....lb. .09 - .175
tanks, dlvd.....lb. .07 - .158

Methyl (see M).

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory shall mean all other States of the United States.

Acetonitrile, dms., works.....lb. 1.00 - 2.00

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
cbys., cs.....100 lbs. 3.88 - 4.13
56%, bbls.....100 lbs. 5.58 - 5.83
cbys., cs.....100 lbs. 6.08 - 6.58
70%, bbls.....100 lbs. 6.68 - 6.93
cbys., cs.....100 lbs. 7.18 - 7.43
80%, bbls.....100 lbs. 7.47 - 7.72
cbys., cs.....100 lbs. 7.97 - 8.12
glacial, nat., CP, cbys.100 lbs.14.20 -14.45
99.5%, bbls.....100 lbs. 9.15 - 9.40
cbys. .....100 lbs. 9.65 - 9.90
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs.11.70 - —
synth., 99.5%, al. dms., wks., 100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.25 - 6.93
USP XI, al. dms., works, 100 lbs.10.95 -11.20
CP, dms., works.....100 lbs.14.20 -14.45
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
cbys., cs.....100 lbs. 4.94 - 5.19
36%, bbls.....100 lbs. 4.86 - 5.11
cbys., cs.....100 lbs. 5.36 - 5.61
50%, bbls.....100 lbs. 7.60 - 7.85
cbys., cs.....100 lbs. 8.10 - 8.35
80%, bbls.....100 lbs. 9.26 - 9.51
cbys., cs.....100 lbs. 9.76 -10.01

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —

*Acetylsalicylic,[1] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment point..lb. .45 - —
100-lb. kgs., same basis, lb. .45 - —
25-lb. dms., same basis, lb. .46 - —
5-lb. ctns., same basis, lb. .59 - —
†1-lb. ctns., same basis, lb. .61 - —

Standard, USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
100-lb. kgs., same basis..lb. .40 - —
25-lb. dms., same basis..lb. .41 - —
5-lb. ctns., same basis..lb. .54 - —
†1-lb. ctns., same basis..lb. .56 - —

* Freight equald., shipm't identcal quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.

† 3c. per lb. may be added for acid packaged in canisters, and 8c. per lb. when packaged in 1-lb. bots.

Adipic, fib. dms., works.....lb. .31 - —

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, White).

USP, powd., dms., kegs....lb. .20 - .22

Ascorbic,[1] bots., dms.....oz. 1.50 - 1.70

Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

Acid, benzoic, USP, bbls., 4,000 lbs. or more..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Boric,[2] tech., 99.5%, gran., bulk, frt. alld..ton.95.50 - —
bgs., c.l., frt. alld...ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld...ton.109.00 - —
ton lots, ex whse...ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse...ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse...ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, Wa. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broenner's, bbls.....lb. 1.11 - —

Camphoric, cns.....lb. 6.95 - 7.00

Capric, dms.....lb. .21½ Nom.

Caproic, dms., works.....lb. .25 - .30

Caprylic, dms.....lb. .27 - .27½

Castor oil,[5] split, dms.....lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks., lb. .03 - —
5-drum lots, works.....lb. .03½- —
single drums.....lb. .04½- —
tanks, works.....lb. .02½- —

Chromic,[3,5] 99%, dms., c.l., dlvd. N.Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N. Y., lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼

Cinnamic, refd., bots.....lb. 3.50 Nom.

Citric,[1] cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt., lb. .20½- —
200-10,000 lbs.....lb. .21 - —
100 lbs., dms. or kgs..lb. .21½- —
50 lbs., dms. or ctns..lb. .23 - —
25 lbs., dms. or ctns..lb. .24 - —
5 lbs., in 5-lb. cont....lb. .29 - —
anhyd., gran., dms., c.l.lb. .22½- —
10,000 lbs., one shipment, lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[5] dist., dms.....lb. .18½- .19

Cottonseed oil,[5] dist., dms...lb. .14½- .15
tanks .....lb. .14 - —

Cresylic (coaltar),[6,7] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .81 - .84
l.c.l., same basis.gal. .83 - .86
tanks .....gal. .75 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .81 - .84
l.c.l., same basis..gal. .83 - .86
tanks .....gal. .75 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - .84
l.c.l., same basis..gal. .83 - .86
tanks .....gal. .75 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - .84
l.c.l., same basis..gal. .83 - .86
tanks .....gal. .75 - —
imported, pale, dms....gal. No prices

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 5 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —

Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms..lb. .28 - .31

Gallic, tech., bbls.....lb. 1.10 - 1.12

NF VI, bbls., 200 lbs., 5 or more..lb. 1.27 - —
smaller lots.....lb. 1.30 - —
fib. dms., 25 lbs.....lb. 1.34 - —

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots. .....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Acid, hydrobromic, 10% dilute, cbys..lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00

Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —

Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½

Hypophosphorus, USP, 30%, djns. lb. .75 - .80

Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works...100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works..100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works..100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works..100 lbs. 8.55 - —
50%, edible, 20 or more cbys..lb. .12½- —
5 to 19 cbys.....lb. .13 - —
1 to 4 cbys.....lb. .13½- —
80%, bbls., cbys., 5 or more..lb. .24¼- —
1 to 4 cbys.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —

USP XI, 85%, cbys.....lb. .54 - .57

USP VIII, 75%, cbys.....lb. .52 - .55

Lauric, dist., tech., dms.....lb. .20 - .20½

Laurent's, bbls.....lb. .45 - —

Linseed oil,[5] light, dms.....lb. .21 - .21½

Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —

Malic, powd., kgs.....lb. .47 - —

Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloracetic, tech., bbls..lb. .17 - —
purified, bbls.....lb. .20 - —

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.75 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —

Myristic, dist., dms.....lb. .19 - .19½

Naphthenic, dom., acidity, 220-230, dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
235-245 acidity, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
tanks, c.l., works.....lb. .11 - —

Nicotinic, 100-lb. fib. dms....lb. 6.65 - —
50-lb. fib. dms.....lb. 6.75 - —
25-lb. fib. dms.....lb. 6.80 - —
5-lb. tins.....lb. 6.96 - —
1-lb. bots.....lb. 7.00 - —

Nicotinic, amide, 25-lb. lots..lb.17.00 - —
5-lb. lots.....lb.17.10 - —

Nitric, 36°, cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western, works...100 lbs. 5.75 - —

Acid, nitric, 38°, cbys., l.c.l., 25 and over, E. works.... 100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —

CP, USP, dealers, cbys....lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —

Oleic (see Oil, red).

Oleum (see sulphuric fuming).

Oxalic,[1] dom., bbls., c.l., works, lb. .11¼- —
900 lbs. or over.....lb. .11½- —
smaller quantities...lb. .12½- —

Palm oil, white, dist., dms...lb. .13 - .13½
tanks .....lb. .12¼- —

Paraminobenzoic, cns.....lb. 1.55 - —

Paranitrobenzoic, cns.....lb. .72 - —

Prenylacetic, bots.....lb. 1.85 - 1.90

Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald.. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, wks., frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N.Y., Phila. Met. area.100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald. 100 lbs. 4.75 - 5.00
cbys., works, frt. equald. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, wks., frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N.Y., Phila. Met. area.100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionate, synth., pure, 55-gal. dms., returnable, works.lb. .14 - —
tanks, works.....lb. .11 - —

Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., cns.....lb. 2.10 - —
resub., cns.....lb. 2.60 - —

Pyroligneous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37

Salicylic,[1] tech., bbls.....lb. .33 - —
USP, bbls., c.l.....lb. .28 - —
smaller lots.....lb. .35 - .46

Sebasic, tech., bbls., works..lb. .82 - —

Soybean oil,[5] dist., dms.....lb. .19½- .20

Stearic,[5] double pressed, bgs., dlvd..lb. .1580- .1680
single pressed, bgs., dlvd..lb. .1525- .1625
triple pressed, bgs., dlvd..lb. .1855- .1985

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works. 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works. 100 lbs. 1.50 - —
l.c.l., 25 and over, works. 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —

Tannic, tech., bbls., dms....lb. .71 - .73

USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots.....lb. 1.35 - —
25-lb. lots.....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt..lb. .70½- —
smaller quantities.....lb. .71 - —
kgs. .....lb. .71½- —

Tobias, bbls.....lb. .55 - .60

Trichloracetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, 100-lb. pkg...lb. 2.94 - 3.10
pure, 100-lb. pkg.....lb. 2.86 - —

Aconite, leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.85 - 1.90

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling • [2]—Price Suggestion or Agreement
[3]—Full Priority Control • [4]—Industry Control
[5]—General Limitation Order • [6]—Allocation

Acrylonitrile—Barytes

Acrylonitrile, dms., c.l. lb. .32½ - —
5,000 lbs. or more lb. .35 - —
1 ton to 4,999 lbs. lb. .35½ - —
1 dm. to 1 ton lb. .34 - —
tank cars lb. .34 - —
Adeps lanae, anhyd., dms. lb. .36 - .37
hyd., dms lb. .35 - .36
Agar,[3] Kobe, No. 1, strip lb. 4.75 Nom.
Agaric, white, bls lb. No stocks
Albumen, blood, domestic, f.o.b. Chicago lb. .65 - .75
imported lb. No prices
soluble dried blood, c.l., f.o.b. Chicago lb. .13½ - —
ton lots lb. .15 - —
smaller quantities lb. .16 - .20
Egg, ed., dom., cryst., bbls. lb. 1.73 - 1.78
powd., dms., bbls. lb. 1.73 - 1.83
import., cs. lb. 1.73 - 1.78
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. lb. .141 - —
l.c.l., frt. alld. lb. .151 - —
tanks, frt. alld. lb. .131 - —
normal, dms., l.c.l., works lb. .42 - —
Tertiary, refd., dms., l.c.l., frt. alld. lb. .09 - —
Benzyl, cns. lb. .65 - .75
drums lb. .63 - —
Butyl, normal,[1] dms., c.l., frt. alld. lb. .13½ - .168
l.c.l., frt. alld. lb. .14 - .173
tanks, frt. alld. lb. .12½ - .158

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory shall mean all other States of the United States.

secondary, dms., c.l., frt. paid E. of Miss. R. lb. .09½ - —
l.c.l., same terms lb. .10 - —
tanks, same terms lb. .08¼ - —
tertiary, denaturing, c.l., dms., lb. .12½ - —
l.c.l., dms lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. lb. 1.50 - —
500 lbs. lb. 1.70 - —
100 lbs. lb. 1.80 - —
25 lbs. lb. 1.90 - —
5 lbs. lb. 2.00 - —
Cinnamic, bots. lb. 3.00 - 3.60
Denatured,[1,2,4] CD14, dms., c.l., dlvd., E. gal. .65 - —
l.c.l., dlvd., dms. gal. .72 - —
tanks, E., dlvd. lb. .58 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works gal. .64 - —
19 bbls., E. works gal. .66 - —
1 to 18 bbls., E. Works. gal. .69 - —
dms., c.l., E. works gal. .60 - —
19 dms., E. works gal. .62 - —
1 to 18 dms gal. .65 - —
tanks, E. works gal. .53 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E., gal. .57 - —
19 dms., works, E. gal. .59 - —
1 to 18 dms., works, E. gal. .62 - —
tanks, E. works gal. .50 - —
SD23G, works, E., c.l., dms., gal. .63 - —
19 dms gal. .65 - —
1 to 18 dms gal. .68 - —
tanks gal. .56 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations.

SD23H, works, c.l., dms. gal. .60½ - —
19 dms gal. .62½ - —
1 to 18 dms gal. .65½ - —
tanks gal. .53½ - —
SD29, denatured with acetaldehyde, dms., c.l., E. works gal. .58 - —
l.c.l., 19 or more, E. works gal. .61½ - —
1-18, E. works gal. .64½ - —
tanks, E. works gal. .51 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works gal. .61 - —
20 dms., to c.l. gal. .63 - —
1 to 19 dms gal. .66 - —
tanks, E. works gal. .54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd. lb. .11½ - .14½
l.c.l., dlvd lb. .12 - .15
tanks, dlvd lb. .10½ - .13½
tech., dms., c.l., dlvd lb. .11 - .13½
l.c.l., dlvd gal. .11½ - .14
tanks, dlvd lb. .10 - .12½
Ethyl, 190 pf., ex. molasses, dms., c.l. lb. 8.19 - —
19 dms gal. 8.22½ - —
5 to 8 dms gal. 8.25½ - —
1 to 4 dms gal. 8.25½ - —
tanks gal. 8.12 - —
absolute, dms., c.l. gal. 8.64 - —
5 to 18 dms gal. 8.70½ - —
1 to 4 dms gal. 8.70½ - —

Ethyl alcohol in bbls. 2c. higher than dms.

Ethylhexyl, dms., c.l., works lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .23 - —
Furfuryl, tech., cns., works lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works lb. .0860 - —
tanks, same basis lb. .0760 - —
Isopropyl,[2] refd., 91%, dms., 5 gals., f.o.b. dest. gal. .66½ - —
55 gals., c.l., same basis, gal. .40½ - —
l.c.l., same basis gal. .43½ - —
tanks, frt. alld. gal. .34 - —
90%, dms., 5 gals., same basis gal. .65 - —
55 gals., c.l., same basis, gal. .44 - —
l.c.l., same basis gal. .47 - —
tanks, same basis gal. .37½ - —
Methyl (see Methanol).
Phenylethyl, bots., cns. lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls lb. .65 - —
less than 2,000 lbs. lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis lb. .69 - —
less than 2,000 lbs. lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see Ethylhexyl alcohol).
Alcohol, tetrahydrofurfuryl, dms., contract, f. o. b. Waverly, N. Y. lb. .44 - —
450-lb. lots, same basis lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat. grade, dms., tanks, works gal. .70 - .72
Aldol, 55 and 110-gal. dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
5-10-gal. dms., works lb. .15 - —
Aletris root, bgs lb. .55 - .58
Alizarin (see Red, alizarin).
Alkanet root, bgs lb. 1.75 - 1.80
Allspice, Mexican, bgs lb. .30 - .31
Alpha tocopherol, ampules, per gram. 1.00 - 1.50
Aloe, Cape, cs lb. .18 - .19
Curacao, cs lb. .68 - .70
gourds, bbls lb. .80 - .85
Socotrine, kgs lb. .58 - .60
Aloin, 140-lb. bbls lb. 5.45 - —
100-lb. kgs lb. 5.47 - —
25-lb. fib. dms lb. 5.54 - —
Alphanaphthol, bbls lb. .52 - —
Alphanaphthylamine, bbls lb. .32 - —
Althea root, whole, bbls lb. .85 - .90
Alum, ammonia, burnt, USP, bbls., kgs. lb. .16 - .18
gran., bbls., works 100 lbs. 4.00 - —
dlvd., N. Y., Phil. 100 lbs. 4.00 - —
lump, bbls., works 100 lbs. 4.25 - —
dlvd., N. Y., Phil. 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.40 - —
dlvd., N. Y., Phil. 100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., works 100 lbs. 4.25 - —
dlvd., N. Y., Phila. 100 lbs. 4.25 - —
lump, bbls., works 100 lbs. 4.50 - —
dlvd., N. Y. Phila. 100 lbs. 4.50 - —
powd., bbls., works 100 lbs. 4.65 - —
dlvd., N. Y., Phila. 100 lbs. 4.65 - —

Potash alum prices on same basis as those for ammonia alum.

Chrome, bbls. lb. .12½ - .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina acetate, solut., 24%, l.c.l., bbls., 10 or over, dlvd. lb. .10½ - —
1 to 9, dlvd lb. .11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd. lb. .09½ - —
1 to 9, dlvd lb. .10 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works lb. .08 - —
12,000 to 40,000 lbs., works lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 373 lbs., works lb. .11 - —
100 lbs. or less, works lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works lb. .06½ - .06¾
solut., 32 deg., cbys., c.l., works lb. .02¾ - —
l.c.l., works lb. .03¼ - —
Hydrate, heavy, bbls., c.l., works lb. .0340 - —
l.c.l., bbls., works lb. .04 - —
bgs., c.l., works lb. .0310 - —
light, bgs., c.l., dlvd lb. .14 - —
l.c.l., bgs., dlvd lb. .14½ - —
bbls., c.l., dlvd lb. .14½ - —
l.c.l., bbls., dlvd lb. .15 - —
Oleate, dms., contract lb. .22 - .26
Palmitate, precip., bbls lb. .25 - .26
Resinate, precip., dms lb. .15 - —
Stearate, precip., bbls., ctns., c.l. lb. .23 - —
l.c.l. lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald., 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works 100 lbs. 2.00 - 2.10
bbls., c.l., works 100 lbs. 1.95 - 2.05
l.l., works 100 lbs. 2.20 - 2.30
Aluminum, 98-99%, [3,4,5] c.l. lb. .15 - —
l.c.l. lb. .16 - —
paste,[6] lining, extra fine, 200-lb. dm. lb. .56 - .69
ink, 150-lb. dm. lb. .71 - —
standard, 200-lb. dm. lb. .38 - —
powder,[6] lining, extra fine, 150-lb. dm. lb. .93 - —
litho, 150-lb. dm. lb. .57 - —
standard, 200-lb. dm. lb. .39 - —
rubber compound, 200-lb. dm. lb. .40 - —
unpolished, standard, 250-lb. dm. lb. .36 - —
varnish, standard, 300-lb. dm. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1¼c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoices on orders of 200 lbs. or over.

Ambergris, gray, tins oz. 17.00 - 18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works lb. .60 - —
Aminopyrine, 100-lb. dms lb. 4.00 - —
5-lb. bots lb. 4.25 - —
Ammonia, anhydrous,[6] fertilizer, f.o.b. Belle, W.Va., frt. equal. with Hopewell, Va. ton 90.00 - —
refrigeration,[6] tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys lb. .05¼ - —
dms., c.l. lb. .02¼ - —
l.c.l. lb. .02½ - —
tanks (on NH_3 content), f.o.b. works lb. .04 - —
Benzoate, USP, dms., kgs., 4,000 lbs. or more lb. 1.06 - —
1,000 lbs. to 3,900 lbs lb. 1.07 - —
900 lbs. or less lb. 1.10 - —
Bicarbonate, dms., dlvd. Met. N. Y. lb. .0564 - .0614
Ammonia, bichromate, bbls. lb. .30 - .32
Bifluoride, bbls. lb. .15½ - .18
Borate, bbls., kgs. lb. .15 - .16
Bromide, gran., bbls. lb. .31 - .35
bxs. lb. .34 - .38
kegs lb. .32 - .36
Carbonate, lump, dms., dlvd. Met. N. Y. lb. .08¼ - .09¼
cns., same basis lb. .14¼ - —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls. lb. .12 - .13
100-lb. kgs. lb. .13 - —
Citrate, 250-lb. bbls. lb. .75 - —
100-lb. dms. lb. .80 - —
25-lb. dms. lb. .82 - —
25-lb. dms. lb. .84 - .85
Fluoride, bbls. lb. .18 - .20
Hydroxide (see Ammonia, aqua)
Hypophosphite, dms. lb. 1.25 - 1.27
jars lb. 1.35 - —
Iodide, 5-lb. bots. lb. 3.71 - —
jars lb. 3.65 - —
Linoleate, 80%, anhyd., bbls. lb. .12 - —
Molybdate, kgs., works lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works 100 lbs. 4.55 - —
Oleate, dms. lb. .14 - —
Oxalate, neutral, powd., bbls., kgs. lb. .23 - .29
Perchlorate, kgs. lb. .55 - .65
Persulphate, kgs., dom. lb. .21 - .23
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. lb. .39 - —
tech., bbls., c.l. lb. .07¼ - —
l.c.l. lb. .08¾ - .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works, unit-ton. No prices
pure, bbls. lb. .40 - .45
tech., bbls., c.l. lb. .07¼ - —
l.c.l. lb. .08¾ - .09¼
Salicylate, USP, kgs. lb. 1.15 - 1.20
Silicofluoride, bbls. lb. .15 Nom.
Stearate, anhydrous lb. .24½ - —
paste lb. .06½ - —
Sulphate,[2] dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt. ton 29.00 - —
spot, same basis ton 30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½ - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd. lb. .07½ - —
red, 48%, cbys., works lb. .08 - —
dms., works lb. .06 - —
yellow, 33%, cbys., works lb. .08 - —
dms., works lb. .06 - —
Sulphocyanide, C.P., dms. lb. .45 - .55
tech., kgs. lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. 100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works 100 lbs. 4.45 - —
l.c.l., same basis 100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. lb. .14½ - .17
l.c.l., dlvd. lb. .15 - .17½
tanks, dlvd. lb. .13½ - .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .13½ - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .14½ - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable lb. .75 - —
Caporate, cns. lb. 2.75 - —
Chlorides, mixed, tech., dms., c.l. lb. .07 - —
l.c.l. lb. .08 - —
tanks, works lb. .06 - —
Ether, dms., c.l., works lb. .09½ - —
l.c.l., works lb. .102 - —
tanks, works lb. .08½ - —
Naphthalenes, mixed, crude, l.c.l., dms., works lb. .14 - —
refd., l.c.l., dms., works lb. .16 - —
Nitrite, bots. lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works lb. .31 - —
Salicylate, 5-lb. bots. lb. .85 - —
Stearate, dms., l.c.l., works lb. .32½ - —
Amylene, dms., c.l., works lb. .102 - —
l.c.l., works lb. .11 - —
tanks, works lb. .09 - —
Anethol, bots. lb. 2.35 - 2.40
cans lb. 2.25 - 2.30
Angelica root, dom., bls. lb. .55 - .60
import., natural, bls. lb. No stocks
Angostura, bark, bls. lb. .25 - .30
Anilin oil, dms. lb. .15 - —
l.c.l. lb. .16 - —
tanks lb. .14½ - —
Salt, dms., works lb. .22 - .24
Anise, Cyprus, bgs. lb. .39 - .41
Mexican, fair, bgs. lb. .35 - .36
Spanish, bgs. lb. .38 - .39
Star lb. .65 - .67
Turkish, bgs. lb. .39 - .40
Anisic aldehyde, bots. lb. 3.25 - 3.35
Annatto paste, bxs. lb. .34 - .39
seed, bgs. lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .17 - —
Metal,[2,4] bulk, c.l., works lb. .14½ - —
Needle, brown, Bolivian, 67%, lb. .18½ - —
Chinese, black, 70% lb. .20 - .22
Oxide, bgs., c.l. lb. .15 - —
l.c.l. lb. .16½ - —
Salt, 65%, bbls., dlvd. E. of Miss. River lb. .40 - —
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots lb. 2.10 - 2.20
Apomorphine, bots. oz. 23.20 - 23.70
Archil extract, bbls. lb. .26 - —
Areca nuts, powd., bbls lb. .23 - .24
Arecoline hydrobromide, bots. oz. 11.25 - 11.50
Argols, test 70% to 85%, basis 100%, 100 kgm. purity, f.o.b. Spanish ports, 100 kilos. 105.00 - —
Argentine, f.o.b. N. Y. kilo. 132.00 - 134.00
Arnica flowers, bls. lb. 4.00 - 4.25
Root, bls. lb. 1.25 - 1.45
Arrowroot, St. Vincent, powd., bgs. lb. .09 - .09½
bbls. lb. .09½ - .09¾
Arsenic, metal, lump, ch. lb. No prices
Chloride (arsenous), cns. lb. 4.85 - —
Iodide (arsenous), 5-lb. bots. lb. 5.58 - —
jars lb. 5.43 - —
Red, import, cs. lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs, c.l. lb. .04 - —
l.c.l. lb. .04¾ - —
Asafetida, cs. lb. .65 - .70
powd., bbls., bxs. lb. .80 - .85
Asbestine (see Talc, N.Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines, ton. 49.50 - —
5R, bgs., c.l. (20 tons), Canad. mines ton. 44.00 - —
6D, bgs., c.l. (30 tons), Canad. mines ton. 33.00 - —
7D, bgs., c.l. (30 tons), Canad. mines ton. 28.50 - —
7F, bgs., c.l. (30 tons), Canad. mines ton. 26.50 - —
7H, bgs., c.l. (30 tons), Canad. mines ton. 22.50 - —
7K, bgs., c.l. (30 tons), Canad. mines ton. 19.00 - —
7M, bgs., c.l. (30 tons), Canad. mines ton. 16.50 - —
7R, bgs., c.l. (30 tons), Canad. mines ton. 15.50 - —
Asphaltum, Manjak No. 10, crude, f.o.b. plant lb. .04 - .12
smaller lots, f.o.b. plant lb. .05 - .13
process form, bgs., f.o.b. plant, lb. .03¾ - .05
smaller lots, f.o.b. plant lb. .04¾ - .06
California, dms., c.l., f.o.b. N.Y., ton. 35.00 - —
l.c.l., f.o.b. N. Y. ton. 40.00 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton. 60.00 - —
l.c.l., f.o.b. N. Y. ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y. ton. 35.00 - —
l.c.l., f.o.b. N. Y. ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y. lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points ton. 25.50 - —
selects, bgs., c.l., Western shipt. points ton. 30.50 - —
l.c.l., f.o.b. N. J. or N. Y. whse. ton. 58.00 - —
jet, bgs., c.l., Western shipping points ton. 21.00 - —
Mexican, Texas, dms., c.l., refinery ton. 21.00 - —
l.c.l., refinery ton. 21.00 - 23.00
tanks, refinery ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery gal. .16 - .30
dms., l.c.l., E. cst., refinery, gal. .15 - .29
Atropine, bots. oz. 24.50 - —
Sulphate, bots. oz. 18.75 - —

B

Balm of Gilead buds, bgs. lb. .75 - .80
Barbasco root (see cubic root).
Barberry bark, bgs. lb. .78 - .90
Tree bark, bls. lb. No stocks
Barbital, cs. lb. 3.50 - 3.60
sodium, cs. lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works ton. 43.00 - —
precip., bgs., c.l., works ton. 55.00 - —
l.c.l., works lb. 60.00 - —
bbls., c.l., works ton. 60.00 - —
l.c.l., works ton. 65.00 - —
Sulphur-free, c.l., works ton. 60.00 - —
l.c.l., works ton. 65.00 - —
Chlorate, kgs. lb. .60 - —
Chloride, CP, cryst., bbls. lb. .25 - .27
pure, bbls., kgs. lb. .10 - .12
tech., dom., cryst., bgs., c.l. Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line. ton. 77.00 - —
bbls., same basis ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla. ton. 81.00 - —
bbls., same basis ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis ton. 89.00 - —
ton. 100.00 - —
bbls., same basis ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev. ton. 83.00 - —
bbls., same basis ton. 85.00 - —
l.c.l., bgs., same basis ton. 97.80 - —
bbls., same basis ton. 99.80 - —
Dioxide, dms., c.l., works lb. .10 - —
l.c.l., same basis lb. .12 - .13
Fluoride, bbls. lb. .13 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works lb. .06 - .07
Iodide, bots. lb. 4.77 - —
jars lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks. lb. .11 - .12
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis lb. .10 - .12
grd., dms., l.c.l., works lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls. lb. .15 - .17
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. lb. .09½ - .10
kgs. lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis ton. 27.65 - —
l.c.l., same basis ton. 28.65 - —
ex whse, N.Y. ton. 36.00 - —
paper bags, c.l., St. Louis, ton. 25.85 - —
l.c.l., same basis ton. 26.35 - —
ex whse., New York ton. 34.00 - —
Southern, off color, bgs., mines ton. 17.50 - —
95.75%, bgs., mines ton. 18.00 - —
ore, bulk, mines ton. 8.00 - —

Barytes, German	ton.	No prices
Italian	ton.	No prices
Bauxite, bulk, mines	ton.	7.00 - 10.00
Bay leaves (see Laurel leaves).		
Bay Rum, bbls.	gal.	1.40 - 1.50
Bayberry bark, bgs.	lb.	.12 - .13
Belladonna leaves, bls.	lb.	2.45 - 2.50
Root, bls.	lb.	2.25 - 2.30
Bentonite, 200 mesh, bgs., Wyo., works	ton.	11.00 - —
325 mesh, bgs., Wyo., works	ton.	16.00 - —
Benzaldehyde, tech., cbys., dms.	lb.	.45 - .55
N.F. VI, dms., 50 to 100 lbs.	lb.	.85 - —
5 to 25 lbs.	lb.	.90 - .96
Benzene (see Benzol).		
Benzidin base, bbls.	lb.	.70 - —
Benzocaine, cns.	lb.	3.00 - —
Benzol,[2] 2, 90%, dms., returnable, works	gal.	.20 - —
tankcars, frt. alld. E. of Omaha	gal.	.15 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.15 - —
tanks, frt. alld. E. of Omaha up to 2c. per gallon.		
Benzophenone, dms.	lb.	1.20 - 1.25
Benzoyl chloride, cbys.	lb.	.23 - .28
Peroxide, pure, gran., fib. ctns., works	lb.	1.95 - —
Benzyl acetate, f.f.c., cns.	lb.	.59 Nom.
dms.	lb.	.55 Nom.
Alcohol (see Alcohol, benzyl).		
Benzoate, a.m.a., f.f.c., cns.	lb.	.95 Nom.
dms.	lb.	.90 Nom.
Chloride, cbys., frt. equald.	lb.	.22 - .24
Cinnamate, cns.	lb.	5.50 Nom.
Formate, cns.	lb.	3.50 - 3.75
Isoeugenol, bots.	lb.	9.50 - —
Propionate, bots.	lb.	2.25 Nom.
Salicylate, bots.	lb.	1.80 Nom.
Benzylidineacetone, bots.	lb.	**No prices**
Berberine bisulphate, cns.	lb.	22.50 -38.50
Hydrochloride, cns.	lb.	22.50 -38.50
Sulphate, cns.	lb.	22.50 -38.50
Berberis root, bls.	lb.	.13 - .14
Betanaphthol, sublim., kgs.	lb.	.55 - —
tech., bbls., c.l., works	lb.	.23 - —
l.c.l., bbls., works	lb.	.24 - —
Benzoate, fib. dms.	lb.	2.50 - —
kgs.	lb.	2.70 - —
Betanaphthylamine, tech., kgs.	lb.	.51 - —
Beth root, bls.	lb.	.35 - .40
Bismuth chloride, 5-lb. bots.	lb.	3.00 - —
jars	lb.	2.85 - —
Citrate, USP, VIII, 5-lb. bots.	lb.	2.86 - —
jars	lb.	2.75 - —
Hydroxide, 5-lb. bots.	lb.	3.46 - —
cns.	lb.	3.35 - —
Metal, ton lots	lb.	1.25 - —
Nitrate, cryst., 5-lb. bots.	lb.	1.45 - —
cns.	lb.	1.30 - —
Oxychloride, 5-lb. bots.	lb.	3.19 - —
cns., kgs.	lb.	3.10 - —
Subbenzoate, 5-lb. bots.	lb.	3.51 - —
fib. dms.	lb.	3.40 - —
Subcarbonate, bots., cns.	lb.	1.59 - 1.85
175-lb. bbls.	lb.	1.50 - —
Subcarbonate, X-ray, 5-lb. bots.	lb.	2.79 - —
fib. dms.	lb.	2.75 - —
Subgallate, bots., cns.	lb.	1.49 - 1.75
fib. dms.	lb.	1.40 - —
Subiodide, bots.	lb.	4.24 - —
fib. dms.	lb.	4.13 - —
Subnitrate, powd., bots., cns.	lb.	1.29 - 1.57
250-lb. bbls.	lb.	1.20 - —
Subsalicylate, 60-66%, bots.	lb.	2.59 - —
bbls., fib. dms.	lb.	2.50 - —
Sulphocarbolate, 5-lb. bots.	lb.	3.76 - —
fib. dms.	lb.	3.65 - —
Trioxide, powd., 5-lb. bots.	lb.	3.76 - —
cns.	lb.	3.65 - —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms.	lb.	2.40 - —
5-lb. cns.	lb.	3.45 - 3.50
Black,[2] acetylene, c.l., works, duty paid	lb.	.14 - —
Bone, 1A, c.l.	lb.	.17 - —
l.c.l.	lb.	.17½- —
3, c.l.	lb.	.12 - —
l.c.l.	lb.	.12½- —
4, c.l.	lb.	.11 - —
l.c.l.	lb.	.11½- —
5, c.l.	lb.	.08½- —
l.c.l.	lb.	.09 - —
6, c.l.	lb.	.08½- —
l.c.l.	lb.	.09 - —
7, c.l.	lb.	.11½- —
l.c.l.	lb.	.12 - —
8, c.l.	lb.	.12½- —
l.c.l.	lb.	.13 - —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants.	lb.	.03625- —
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.08 - —
dlvd.	lb.	.08 - —
beads, compressed, bgs., c.l., f.o.b. plants.	lb.	.03550- —
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.07½- —
dlvd.	lb.	.07½- —
bulk, cars, c.l., f.o.b. plants.	lb.	.0330- —
Charcoal (see C).		
Graphite (see G).		
Iron oxide, magnetic, pure, bbls., l.c.l., works.	lb.	.08½- —
Lamp, dom., 1, ctns., c.l., works.	lb.	.07 - —
l.c.l., works	lb.	.08 - —
2, ctns., c.l., works	lb.	.09 - —
l.c.l., works	lb.	.10 - —
2A, ctns., c.l., works	lb.	.11 - —
l.c.l., works	lb.	.12 - —
3, ctns., c.l., works	lb.	.13 - —
l.c.l., works	lb.	.14 - —
4, ctns., c.l., works	lb.	.15 - —
l.c.l., works	lb.	.16 - —
5, ctns., c.l., works	lb.	.17 - —
l.c.l., works	lb.	.18 - —
6, ctns., c.l., works	lb.	.24 - —
l.c.l., works	lb.	.25 - —
7, ctns., c.l., works	lb.	.34 - —
l.c.l., works	lb.	.35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works.	lb.	.0434- —
Vine, A, bbls., works or N. Y.	lb.	.04½- .05
B, bbls., works or N. Y.	lb.	.05½- —
kegs, f.o.b. N. Y.	lb.	.06 - —
dms., c.l., frt. alld.	lb.	.09½ Nob.
Black dyes are listed under Dyes.		
Black Haw root bark, bls.	lb.	.40 - .45
Tree bark, bls.	lb.	.21 - .22
Black Indian hemp root, bls.	lb.	.23 - .26
Blanc fixe, dry, by-product, bgs., c.l., works.	ton.	60.00 - —
l.c.l., works	ton.	67.50 - —
direct process, bgs., c.l., f.o.b. Huntington, W.Va.	ton.	70.00 - —
bbls., same basis	ton.	75.00 - —
Blanc fixe, dry, direct process, bgs., l.c.l., same basis	ton.	75.00 - —
bbls., same basis	ton.	80.00 - —
pulp, 66⅔%, bbls., c.l., works.	ton.	40.00 - —
l.c.l., works	ton.	46.50 - —

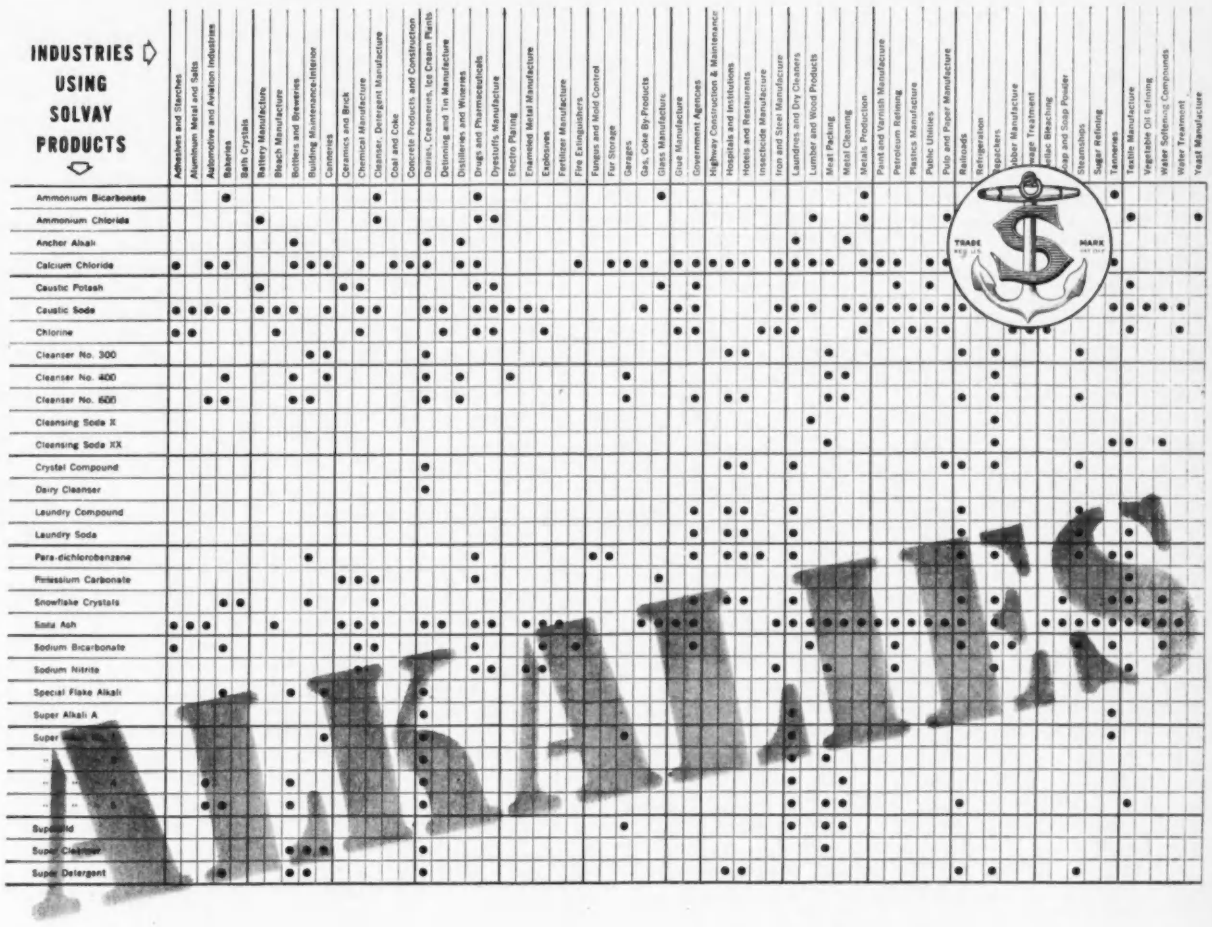
Bleaching powder,[2] dms., c.l., works.	**100 lbs.**	**2.25 - 3.10**
l.c.l., works	**100 lbs.**	**2.50 - 3.35**
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y.	unit-ton.	5.40 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago.	unit-ton.	5.75 - —
import, bgs., c.i.f. ports, shipt.	unit-ton.	5.25 - —
soluble (see Albumen, blood).		
Bloodroot, lbs.	lb.	.40 - .41
Blue,[2] alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.85 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts.	lb.	.36 - —
Celestial, bbls.	lb.	.10 - .12
Blue, Chinese, bbls., same basis, contracts.	lb.	.36 - —
Cobalt,[2] genuine, 1-kilo pkg.	lb.	4.90 - —
Imitation (see Blue, ultramarine).		
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.	lb.	3.30 - 3.75
Milori, bbls., same basis, contracts.	lb.	.36 - —
Molybdated, Victoria, same basis, contracts.	lb.	3.15 - —
Peacock, same basis, contracts,	lb.	.52 - —
Potash, dom., bbls., same basis, contracts.	lb.	.42 - —
Prussian, bbls., same basis, contracts.	lb.	.36 - —
Tungstated, peacock, kgs.	lb.	4.00 - —
Victoria, kgs.	lb.	3.30 - —
methyl violet, kgs.	lb.	2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald.	lb.	.22 - .24
jobbing grades, bbls., same basis.	lb.	.11 - —
regular grades, bbls., same basis.	lb.	.16 - .17
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.		
Victoria, ink toner, bbls., same basis alkali toner.	lb.	1.83 - —
synthetic vehicle, bbls., same basis.	lb.	1.93 - —
Blue dyes are listed under Dyes.		
Bluefing root, bls.	lb.	**.25 - .28**
Blue mass, USP, cns., tubs.	lb.	1.47 - 1.84
powd., bots., cns., dms.	lb.	1.70 - 1.84
Bluestone (see Copper sulphate).		

Barytes—Borax

Blue vitriol (see Copper sulphate).		
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago.	ton.	39.00 -40.00
import, bgs., c.i.f. ports.	ton.	37.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago.	ton.	35.00 -37.50
import, bgs., c.i.f. ports.	ton.	37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).		
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago.	ton.	40.00 -41.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.	ton.	42.50 - —
Boneset leaves, bls.	lb.	.12 - .13
Borage flowers, bls.	lb.	.40 - .90
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld.	ton.	41.50 - —
bgs., c.l., frt. alld.	ton.	45.00 - —
ton lots, ex whse.	ton.	56.00 - —
less than ton lots, ex whse.	ton.	61.00 - —
bbls., c.l., frt. alld.	ton.	55.00 - —
ton lots, ex whse.	ton.	66.00 - —
less than ton lots, ex whse.	ton.	71.00 - —
powd., bgs., c.l., frt. alld.	ton.	50.00 - —
ton lots, ex whse.	ton.	61.00 - —
less than ton lots, ex whse.	ton.	66.00 - —



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Borax—Coriander Seed

Borax, tech., 99½%, powd., bbls., c.l., frt. alld..ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less than ton lots, ex whse..ton.76.00 - —
USP $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pickups.

Brazilwood extract (see Hypernic).

Brimstone (see Sulphur).

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35

Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —

Bromstyrol .....lb. 3.75 - 4.00

Bronze powder, aluminum (see A), Gold, litho, cns., dms., over 10 lbslb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50

Broomtops, bls.....lb. .15 - .16

Brown,[2] iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0200- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- .06
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08¾- .10¾
raw, American, bbls., f.o.b. works..lb. .03¼- .05¾
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08 - .10
Umber, American, bbls., works, lb. .03⅜- —
Turkey-type, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
ex car, Los Angeles....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —

Brucine, 100 oz., cns.....oz. .35 - —
Sulphate, 100 oz., cns.....oz. .30 - —

Bryonia root, bls.....lb. 1.25 - 1.30

Buchu leaves, bls.....lb. .80 - .82

Buckthorn bark, true, bls.....lb. .80 - .85
cut and sifted, bbls.....lb. .85 - .90
Berries, bgs.....lb. .85 - .90

Burdock root, bls.....lb. .40 - .45

Burgundy pitch, dom., dms...lb. .07½- .08

Butane[1], industrial grade, tanks, group 3..gal. .02½- —

Butternut bark, bls.....lb. .07 - .08

Butyl acetate[2], norm., dms., c.l., frt. alld..lb. .14½- .168
l.c.l., frt. alld.....lb. .15 - .178
tanks, frt. alld.....lb. .13½- .158
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .10 - —
dms., l.c.l., same terms.lb. .10½- —
tanks, same terms.....lb. .09 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
l.c.l. .....lb. .28 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see under Ether).
Lactate, dms.....lb. .26½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N.Y...lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Iodide, 5-lb. bots.....lb. 4.25 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, ¼, pat., shapes cs., dlvd..lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).

Caffeine, 10,000 lbs. or more, 100-lb-dms..lb. 2.60 - —
25-lb. dms.....lb. 2.63 - —
10-lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms, lb. 2.65 - —
10-lb. cns.....lb. 2.70 - —
25-lb. dms.....lb. 2.68 - —
1,000 lbs. or more, 100-lb. dms, lb. 2.70 - —
25-lb. dms.....lb. 2.73 - —
10-lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms..lb. 2.80 - —
25-lb. dms.....lb. 2.83 - —
10-lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns. lb. 3.15 - —

Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, peeled, N.F., cs. lb. No stocks
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l.....lb. .07 - .08
l.c.l. .....lb. .07½- .08½

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Calcium, bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd..... 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse,100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd....ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.18.00 -34.50
l.c.l., 15 tons, dlvd...ton.21.45 -25.45
5-ton lots.....ton.28.45 -40.95

Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.

Gluconate, USP, gran., 150-lb. bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.68 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - 2.15
fluffy, dms.....lb. 2.05 - 2.15
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- .13
Palmitate, bbls.....lb. .28 - .29
Pantothenate, dex., 100-gram bots..per gram. .50 - —
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.unit-ton. No prices
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. and over..lb. .07 - .07¾
5 to 9 bbls., same basis. lb. .08 - .09
1 to 4 bbls., same basis. lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms. .....lb. .12½- .18
Monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
less than 5 tons, same basis..lb. .06½- —
tribasic, c.l., bbls., works, lb. .0°35- —
l.c.l., bbls.....lb. .0705-0785
Resinate, precip., bbls., 1 ton. lb. .15 - —
smaller lots.....lb. .16 - —
Stearate, precip., bbls., ctns., tons..lb. .26 - —
smaller quantities.....lb. .27 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works. 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - —
Calendula flowers, bls.....lb. 3.25 - 3.30
Calomel,[2] bbls., fib, dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.60 - 1.65
slabs, cs.....lb. 1.60 - 1.65
tablets, tin.....lb. 1.70 - 1.75
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
smaller lots, works..lb. .47 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, bulk, 100-lb. lots. lb. 3.10 - —
25 to 50-lb. lots.....lb. 3.20 - 3.25
Canada balsam (see Fir, balsam).
Canary seed, Argentine, bgs...lb. .09½- .10
Morocco, bgs.....lb. .09¾- .10¼
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.45 - 2.50
Russian, cs.....lb. 6.00 - 6.25
powd., bxs.....lb. 6.25 - 6.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. 1.35 - 1.40
Syrian, bgs.....lb. 1.10 - 1.20
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, ¼, ★, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
l.c.l., 5 or 10-gal. dms., c.l. .....gal. 1.07 - —
l.c.l. ½.....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.60 - 1.70
decorticated, cs.....lb. 1.55 - 1.60
green, Alleppey, bgs.....lb. 1.10 - 1.20
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb.22.50 -23.50
Cascara sagrada bark, bulk....lb. .27 - .28
Case-hardening mixtures, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .21 - .22
5 tons, works.....lb. .21¼- .22¼
smaller lots, works...lb. .21½- .22½
80-100 mesh., c.l., dlvd.....lb. .21½- .22½
5 tons, works.....lb. .21¾- .22¾
smaller lots, works.....lb. .22 - .23
import, Argentine, 20-30 mesh, bgs., c.l., c.l.f..lb. .16½- .17
80-100 mesh, bgs., c.l., c.l.f., lb. .17 - .18
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .95 - 1.00
No. 1, regular, bls.....lb. .92 - .95
shortstick, bls.....lb. .85 - .90
broken, bls.....lb. .80 - .85
China, buds, bgs.....lb. .85 - .90
rolls, select, bls.....lb. .85 - .87
broken, bls.....lb. .78 - .80
Saigon, all thin, bls.....lb. 1.00 - 1.05
all thin, bls.....lb. 1.10 - 1.15
Cassia fistula, bskts.....lb. .28 - .35
Castoreum, nat., cns.....lb.12.50 -15.00
Synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship.t C.&f., N. Y..long ton.100.00 - —
Oil (see Oil, castor)
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. 1.05 - 1.10
Indian .....lb. 1.00 - 1.05
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
acetate-butyrate, high (36.5% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
Acetate-butyrate, smaller pkgs., works..lb. .48 - —
medium (15.5 or 17.0%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Acetate-propionate, high (31.5% propionly content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs., works.....lb. .48 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works...lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., papermakers, bgs., c.l., works..ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
other industries, and paints, bgs., c.l., works..ton.40.00 - —
drugs, dentifrices and cosmetics., c.l., spot..lb. .02¾- —
Chamomile flowers, Hungarian type, cs..lb. .68 - .70
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Ga., W. Va..ton.37.90 - —
Colo. .....ton.34.50 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.38.30 - —
Ill. (except river points), Minn., Neb., Wis..ton.32.50 - —
Indiana .....ton.33.50 - —
Ill. (river points, Mo., Okla., Tex. (except El Paso), Ia..ton.27.50 - —
Kansas, El Paso, Tex.ton.28.50 - —
Michigan .....ton.35.00 - —
Ohio .....ton.35.00 - —
Penn. .....ton.37.30 - —
Utah .....ton.38.50 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0275- —
tanks, works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh., bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.60 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks., ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt., 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - .95
500 lbs.....lb. .96 - .98
100 lbs.....lb. .98 - 1.00
25 lbs.....lb. 1.00 - 1.02
1-10 lbs.....lb. 1.05 - 1.07
dms., 1,000 lbs.....lb. .90 - .92
500 lbs.....lb. .93 - .95
100 lbs.....lb. .95 - .97
Chlorinated rubber,[6] standard, 100 lbs. or more, works..lb. .32 - —
smaller lots.....lb. .35 - —
Chlorine,[3,5,6] liquid, cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y....lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald.100 lbs. 2.00 - —
2, works, frt. equalized... 100 lbs. 2.50 - —
1, works, frt. equalized... 100 lbs. 3.00 - —

Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 2, works... lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 8½%, cs., bbls.....lb. .07¾- .08½
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. 1.25 - 1.30
20 in., thick, cs.....lb. No stocks
20 in., medium, cs.....lb. No stocks
USP, broken quill, red, bgs..lb. .19 - .20
yellow, bgs.....lb. .19 - .20
Cinchonidine, small, crys., cns., 100 ozs..oz. .89 - —
Sulphate, NF, cns., 100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small cryst., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 oz..oz. .66 - —
Sulphate, NF, cns., 100 oz...oz. .42 - —

Cinchonine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —

Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2, bls.....lb. .68 - .70
3, bls.....lb. No prices
Citral, bots., cns..... 5.50 - 7.00
Citrine ointment,[2] jars.....lb. .98 - 1.00
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 7.00 - 7.25
Clove, Amboina, bgs.....lb. .37 - .38
Zanzibar .....lb. .22½- .23
Clover tops, red, dom., bgs....lb. .28 - .29
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works...bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 8.00 - —
Cobalt acetate,[6] bbls., kgs., dlvd. lb. .83¾- —
Carbonate,[6] powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
Hydrate,[6] bbls.....lb. 2.04 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
Linoleate, solid, 8½%, dms..lb. .44 - —
Oleate, bbls.....lb. .25 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .15 - —
1 %, cobalt oxide, bbls....lb. .15 - —
2 %, cobalt oxide, bbls....lb. .16 - —
3½%, cobalt oxide, bbls....lb. .18 - —
precip., dms., dlvd.....lb. .37 - .40
Sulphate,[7] dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, f.o.b., shipping point..lb. .25½- —
Cocillana bark, bgs.....lb. .20 - .21
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, root, black, bls.....lb. .10 - .11
blue, bls.....lb. .07½- .08
Colchicine, bots., cns.....oz.38.00 -63.00
Colchicum seed, bgs.....lb. 6.00 Nom.
Collodion, USP, dms., 325 lbs..lb. .19½- .20½
cns., 25 lbs.....lb. .23½- .24½
flexible, USP, dms., 325 lbs..lb. .21 - .22
cns., 25 lbs.....lb. .25 - .26
Colocynth pulp, bls.....lb. 1.35 - 1.40
Colombo root, bls.....lb. .20 - .22
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .09½- .10
Conium leaves, bls.....lb. 1.20 - 1.25
Copaiba, balsam, Para, cns...lb. .40 - .42
S.A., USP, cns.....lb. .42 - .44
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .20½- —
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,★,5] electrolytic.....lb. .12 - .12½
Nitrate, tech., cryst., bbls...lb. .16 - .18½
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works. lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.15 - 5.50
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.30 - 5.65
6-15 bbls., same basis... 100 lbs. 5.40 - 5.75
1-5 bbls., same basis.... 100 lbs. 5.65 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.20 - —
l.c.l., dealers.....100 lbs.10.20 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works.. 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. No prices
Coriander, bgs.....lb. .14¾- .15¼
bleached, bgs.....lb. .15¼- .15¾
Indian, bgs.....lb. .10½- .11

Corn silk, bls.	lb.	.20	- .33
Corn sugar, tanners', chipped, bgs., c.l., dlvd.	100 lbs.	3.62	- —
slabs, bbls., c.l.	100 lbs.	3.54	- —
Syrup, 42°, bbls., c.l.	100 lbs.	3.69	- —
43°, bbls., c.l.	100 lbs.	3.74	- —
Corrosive sublimate,[2] cryst., dms., 50 lbs. or more.	lb.	2.39	- —
gran., powd., dms., 50 lbs. or more.	lb.	2.24	- —
Cottonroot bark, bls.	lb.	.14	- .15
Cottonseed, hull ash, 32-36% potash, bgs., dlvd.	unit-con.	1.00	- —
meal, 8%, Southeast, mills.	ton.	40.00	- —
Coumarin, 5 lbs. or more, 25-lb. cns.	lb.	2.75	- —
1-lb. cns.	lb.	2.90	- —
1-oz. cns.	lb.	3.25	- —
less than 5 dms., cns.	lb.	4.15	- 4.65
Cramp bark, genuine, bls.	lb.	.30	- .65
Cranesbill root, bls.	lb.	.18	- .19
Cream of tartar, gran. or powd., bbls., 5,000 lbs. one shipm't,	lb.	.57½	- —
smaller lots, bbls.	lb.	.58	- —
kgs.	lb.	.58½	- —
Creosote, beechwood, cbys., dms.,	lb.	.80	- .85
bots.	lb.	1.00	- 1.04
hardwood, USP, bots.	lb.	.60	- .77
Pine, dms.	gal.	.28	- —
Carbonate, bots., cbys.	lb.	2.10	- 2.39
Oil, crude, tanks, works.	gal.	.15½	- —
Coaltar, solution, tanks, works,	gal.	.141	- —
refd., bbls., l.c.l., works.	gal.	.26	- —
tanks, works.	gal.	.18	- .18½
Cresol,[6] USP, dms., c.l., works,	lb.	.10¾	- .11
l.c.l., same basis.	lb.	.11¼	- .11½
tanks	lb.	.10	- —
special resin grade, dms., c.l., works.	lb.	.09½	- .09¾
l.c.l., same basis.	lb.	.10	- .10¼
tanks	lb.	.08¾	- —
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works.	lb.	.15	- —
5 and 10-gal. dms., works.	lb.	.18	- —
Cryolite, syn., c.l., frt. alld. E. of Miss. River.	lb.	.08½	- —
l.c.l., works.	lb.	.09¼	- —
natural, c.l.	100 lbs.	8.75	- —
l.c.l.	100 lbs.	9.25	- —
Cube root,[2] powd., 5% rotenone, bbls., f.o.b. N.Y.C.	lb.	.40	- .41
4% rotenone prices are 4c. per lb. less.			
Cubeb berries, XX, bgs.	lb.	.70	- .75
powd., cs.	lb.	.78	- .83
Culver's root, bls.	lb.	.26	- .28
Cumin seed, Morocco, bgs.	lb.	.20	- .21
Cyprus, bgs.	lb.	.18	- .18½
Indian, bgs.	lb.	.16	- .16½
Persian, bgs.	lb.	.16½	- .17
Cutch, Borneo, extract, solid, contract, f.o.b. N.Y., duty paid.	lb.	None available.	
Cyanamide, 22% N, pulv., bgs., dlvd., contracts.	unit-ton.	No prices	
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾	- —
lump, dms.	lb.	.09¾	- —
75%, gran., dms.	lb.	.15	- —
Cyclohexane, 98-100%, dms., wks.	lb.	.16	- —
Cyclohexanol, 98-100%, dms., wks.	lb.	.23	- —
Cyclohexanone, 98-100%, dms., works.	lb.	.32	- —
Cyclopropane, USP, cyls., dlvd.	gal.	.27	- —

D

Damiana leaves, bls.	lb.	.16	- .17
Dandelion root, bls.	lb.	.42	- .45
Decanol, normal, tech., 360 lbs., dms., dlvd.	lb.	.35	- —
Deertongue leaves, bls.	lb.	.16	- .17
Degras,[5] common, dom., bbls.	lb.	.12½	Nom.
neutral, dom., bbls.	lb.	.30	Nom.
Derris root,[2] powd., 5% rotenone, bbls., f.o.b. N.Y.	lb.	.35	- —
4% rotenone prices are 4c. per lb. less.			
Dextrin, British gum, c.l., f.o.b. Chicago.	100 lbs.	4.25	- —
l.c.l., f.o.b. Chicago.	100 lbs.	4.35	- —
Corn, canary, bgs., c.l., f.o.b. Chicago.	100 lbs.	4.00	- —
l.c.l., f.o.b. Chicago.	100 lbs.	4.80	- —
white, bgs., c.l., f.o.b. Chicago.	100 lbs.	3.95	- —
l.c.l., f.o.b. Chicago.	100 lbs.	4.15	- —
Potato, bgs., dom., c.l.	lb.	.09½	- —
l.c.l., bgs.	lb.	.10	- .11¾
Diacetone (see under Alcohol).			
Diacetyl, bots.	lb.	9.50	-11.00
Diamyl ether (see Amyl Ether).			
Phthalate, dms., c.l., dlvd.	lb.	.22	- —
l.c.l., dlvd.	lb.	.22½	- —
tanks, dlvd.	lb.	.21	- —
Diamyl sulphide, l.c.l., dms., works.	lb.	.25	- —
Diamylamine, dms., c.l., works,	lb.	.61	- —
l.c.l., works.	lb.	.64	- —
Diamylene, dms., c.l., works.	lb.	.105	- —
l.c.l., works.	lb.	.112	- —
tanks, works.	lb.	.095	- —
Diamylnaphthalene, dms., l.c.l., works.	lb.	.17	- —
Diamylphenol (2, 4), dms., c.l., works.	lb.	.18	- —
l.c.l.	lb.	.21	- —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst.	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., f.o.b. Atlantic seaboard.	ton.	55.00	-59.00
l.c.l., ex whse.	ton.	85.00	-90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard.	lb.	.07	- —
l.c.l., ex whse.	lb.	.10	- .16
Import, Algerian, bgs., c.l., c.i.f.	ton.	No prices	
Mexican, white, bgs., c.l., c.i.f.	lb.	.02	- .03
l.c.l.	lb.	.04	- .06
Dibutylamine, dms., c.l., works.,	lb.	.61	- —
l.c.l.	lb.	.64	- —
Dibutyl ether (see Ether, butyl).			
Phthalate,[2] dms., c.l., dlvd.	lb.	.21	- .23
l.c.l., dlvd.	lb.	.21½	- .23½
tanks, dlvd.	lb.	.20	- .22
cns., works.	lb.	.23½	- .25½
Sebacetate, dms., works.	lb.	.45	- .47
Tartrate, dom., dms.	lb.	.87	- —
Dicalcium phosphate (see Calcium phosphate dibasic).			
Dichlorethyl ether, dms., c.l., works.	lb.	.15	- —
l.c.l.	lb.	.16	- —
tanks	lb.	.14	- —
Dichloropentanes, dms., c.l., works.	lb.	.037	- —
l.c.l.	lb.	.04½	- —
tanks	lb.	.03	- —
Diethanolamine, dms., c.l., works.	lb.	.23½	- —
l.c.l., works.	lb.	.24½	- —
tanks, works.	lb.	.22½	- —
Diethylamine, dms., l.c.l., works.	lb.	.76	- —
l.c.l., works.	lb.	.81	- —

Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. River.	lb.	.85	- —
Diethylanilin, dms.	lb.	.40	- —
Diethyl carbonate, com'l, dms.,	lb.	.25	- —
refd., 99%, dms.	lb.	.35	- —
Oxalate, dms., l.c.l., dlvd.	lb.	.28	- —
Phthalate, dms., c.l., dlvd.	lb.	.21½	- —
l.c.l.	lb.	.22	- —
tanks	lb.	.20½	- —
Sulphate, dms., c.l., works.	lb.	.13	- —
l.c.l., works.	lb.	.14	- —
tanks	lb.	.12	- —
Diethyleneglycol, dms., c.l., works	lb.	.14	- —
l.c.l., works.	lb.	.15½	- —
Monobutylether, dms., works.	lb.	.22½	- .24½
Monoethylether, d m s., c.l., works.	lb.	.14½	- —
l.c.l., works.	lb.	.15½	- —
tanks, works.	lb.	.13½	- —
Dig.talis leaves, dms.	lb.	.48	- .49
Diglycol, laurate, dms.	lb.	.31	- .33
Oleate, light, bbls., c.l.	lb.	.17	- —
Stearate, bbls., c.l.	lb.	.22	- —
Di-isobutyl ketone, dms., works.,	lb.	.19	- —
Dillseed, cleaned, bgs.	lb.	.08½	- .09
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.20	- —
l.c.l., dlvd.	lb.	.20½	- —
tanks, dlvd.	lb.	.19	- —
Dimethylamine, dms., c.l., dlvd.	lb.	.85	- —
l.c.l., dlvd.	lb.	.90	- —
Dimethylanilin, dms., c.l.	lb.	.23	- —
l.c.l., dms.	lb.	.24	- —
Dinitrobenzene, bbls., 80° min.	lb.	.18	- —
Dinitrochlorobenzene, dms.	lb.	.14	- —

Dinitronaphthalene, kgs.	lb.	.35	- .38
Dinitroprenol, bbls.	lb.	.22	- —
Dinitrotoluene, dms.	lb.	.18	- —
oily, dms.	lb.	.05	- —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.44	- —
600-1,950 lbs., dlvd.	lb.	.46	- —
150-450 lbs., dlvd.	lb.	.47	- —
Dioxan, dms., c.l., frt. alld.	lb.	.20	- —
l.c.l., same basis.	lb.	.21	- —
tanks, same basis.	lb.	.19	- —
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.59	- .61
tanks	gal.	.51	- —
dest., dist., dms.	gal.	.55	- .58
tanks	gal.	.48	- —
Diphenyl, bbls., c.l., works.	lb.	.15	- —
l.c.l., works.	lb.	.16	- .20
Oxide, perfume grade, dms.	lb.	.43	- .45
cns.	lb.	.48	- .50
Diphenylamine,[7] bbls.	lb.	.25	- —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.35	- —
600-1,950 lbs., dlvd.	lb.	.36	- —
150-450 lbs., dlvd.	lb.	.37	- —
Dimethylethyl carbinol (see Carbinol).			
Divi-Divi, Colombian	ton.	75.00	- —
Venezuelan	ton.	75.00	- —
Doggrass root, imp. cut, NF, bls.,	lb.	.90	- 1.00
domestic, bls.	lb.	.36	- .37
Dogwood bark, Jamaica, bls.	lb.	.07½	- .08
Dovers powder, USP, cns.	lb.	2.75	- 2.80
Dragon's blood, reeds, cs.	lb.	1.10	- 1.15
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1, cns.	**lb.**	**13.50**	**- —**
FD&C blue, No. 2, cans.	**lb.**	**13.50**	**- —**

Corn Silk—Dyes

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Green FD&C green, No. 2, cns.	**lb.**	**17.50**	**- —**
FD&C green, No. 3, cns.	**lb.**	**27.50**	**- —**
FD&C green, No. 1, cns.	**lb.**	**13.50**	**- —**
Orange, FD&C orange, No. 1, cns.	**lb.**	**2.90**	**- —**
FD&C orange, No. 2, cns.	**lb.**	**3.65**	**- —**
Red, FD&C red, No. 1, cns.	**lb.**	**6.00**	**- —**
FD&C red, No. 2, cns.	**lb.**	**3.15**	**- —**
FD&C red, No. 3, cns.	**lb.**	**17.50**	**- —**
FD&C red, No. 4, cns.	**lb.**	**5.75**	**- —**
FD&C red, No. 32, cns.	**lb.**	**4.15**	**- —**
drugs and cosmetics:—			
Yellow, FD&C yellow, No. 1, cns.	**lb.**	**8.50**	**- —**
FD&C yellow, No. 3, cns.	**lb.**	**2.65**	**- —**
FD&C yellow, No. 4, cns.	**lb.**	**2.65**	**- —**
FD&C yellow, No. 5, cns.	**lb.**	**3.15**	**- —**
FD&C yellow, No. 6, cns.	**lb.**	**3.15**	**- —**
Dyes, coaltar (certified colors), for drugs and cosmetics:—			
Black, D&C black, No. 1	**lb.**	**8.35**	**- —**
Blue, D&C blue, No. 6	**lb.**	**13.50**	**- —**
Brown, D&C brown, No. 1, cns.	**lb.**	**12.35**	**- —**
Green, D&C green, No. 5, cns.	**lb.**	**12.35**	**- —**
D&C green, No. 6, cns.	**lb.**	**12.35**	**- —**
Orange, D&C orange, No. 3, cns.	**lb.**	**8.35**	**- —**
D&C orange, No. 4, cns.	**lb.**	**15.35**	**- —**
D&C orange, No. 10, cns.	**lb.**	**15.35**	**- —**
D&C orange, No. 11, cns.	**lb.**	**17.35**	**- —**

Liquid chlorine is an *essential* war material. Tremendous quantities are called for—to fill many urgent, *vital* war demands. To meet our obligations in emergency war orders and public health needs, we have expanded our production. But the supply for many normal uses is still strictly limited.

By efficient handling of chlorine for civilian needs, you can aid directly in the great national war effort. You can cooperate further by returning empty chlorine cylinders promptly.

FOR VICTORY BUY UNITED STATES SAVINGS BONDS AND STAMPS

CHEMISTRY IS THE KEYSTONE OF INDUSTRY

PENNSYLVANIA SALT
MANUFACTURING COMPANY
1850 *Chemicals* 1942
1000 WIDENER BUILDING, PHILADELPHIA
BRANCH OFFICES: NEW YORK • CHICAGO • ST. LOUIS • PITTSBURGH • WYANDOTTE • TACOMA
PLANTS: PHILADELPHIA • EASTON • NATRONA • WYANDOTTE • TACOMA • PORTLAND, ORE.

Dyes—Green, Chrome

Dyes, coaltar (certified colors) for drugs and cosmetics:—

Red, D&C red, No. 5	lb.	6.00	- —
D&C red, No. 17	lb.	8.35	- —
D&C red, No. 18	lb.	18.35	- —
D&C red, No. 19, cns	lb.	15.35	- —
D&C red, No. 22, cns	lb.	8.35	- —
D&C red, No. 33	lb.	13.35	- —
D&C red, No. 37, cns	lb.	12.35	- —
Yellow, D&C yellow, No. 7, cns.	lb.	8.35	- —
D&C yellow, No. 8, cns	lb.	8.35	- —
D&C yellow, No. 11	lb.	10.35	- —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—

Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35	- —
Green, Ext. D&C green, No. 1, cns.	lb.	12.35	- —
Red, Ext. D&C red, No. 1, cns.	lb.	10.35	- —
Ext. D&C red, No. 3	lb.	21.35	- —
Ext. D&C red, No. 4	lb.	7.35	- —
Ext. D&C red, No. 19, cns.	lb.	12.35	- —
Ext. D&C red, No. 13, cns.	lb.	12.35	- —
Yellow, Ext. D&C yellow No. 1, cns.	lb.	8.35	- —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—

36 Chrome yellow 2G	lb.	.65	- .70
40 Chrome yellow R	lb.	.50	- 1.00
53 Victoria violet	lb.	.80	- 1.00
165 Lake red C	lb.	.70	- .80
170 Fast red A	lb.	.56	- .60
180 Fast red VR	lb.	1.50	- 1.60
189 Lake red R, paste	lb.	.85	- .90
189 Lake red R, powd	lb.	3.00	- 3.10
Sulphur tan	lb.	.30	- .50
202 Chrome blue black U	lb.	.32	- .40
204 Chrome black A	lb.	1.75	- 2.00
208 Fast red blue R	lb.	.75	- 2.00
216 Chrome red B	lb.	1.75	- 2.00
262 Cloth red 2B	lb.	.60	- .80
280 Fast cyanin 6R	lb.	.90	- 1.00
290 Chrome black F	lb.	.60	- .65
307 Fast cyanin black B	lb.	.80	- .85
326 Direct cast scarlet	lb.	2.00	- 2.25
304 Paper yellow	lb.	.83	- .90
365 Chrysophenin G	lb.	.58	- .70
394 Direct violet N	lb.	1.25	- 1.35
382 Direct scarlet B	lb.	1.50	- 1.75
387 Direct violet B	lb.	1.00	- 1.30
401 Developed black BHN	lb.	.45	- .60
406 Direct blue 2B	lb.	.25	- .30
418 Direct orange R	lb.	.60	- .70
419 Direct fast red F	lb.	.75	- .85
420 Direct brown M	lb.	1.00	- 1.10
448 Benzo purpurin 4B	lb.	.54	- .56
495 Benzo purpurin 10B	lb.	.40	- .50
502 Direct azcrin G	lb.	.75	- .80
512 Direct blue RD	lb.	.80	- 1.00
518 Direct pure blue 6B	lb.	1.10	- 1.25
520 Direct pure blue	lb.	.50	- 1.00
529 Direct fast black, FF	lb.	.55	- 1.00
581 Direct black EW	lb.	.25	- .50
582 Direct black RX	lb.	.35	- .45
592 Direct green B	lb.	.75	- .80
594 Direct green G	lb.	1.00	- 1.05
596 Direct brown 3GO	lb.	.85	- 1.00
620 Direct yellow R	lb.	1.25	- 1.50
698 Acid violet	lb.	1.00	- 3.00
812 Primulin	lb.	.50	- .52
814 Direct fast yellow	lb.	2.00	- 2.25
845 Niyrosin (water soluble)	lb.	.35	- .50
1177 Indigo, 20 p.c. paste	lb.	.15	- .18
Benzo fast black L	lb.	.90	- 1.00
Sulphur black	lb.	.20	- .25
Sulphur blue	lb.	.40	- 1.00
Sulphur brown	lb.	.25	- .50
Sciphur maroon	lb.	.40	- —
Sulphur olive	lb.	.25	- .54
Sulphur yellow	lb.	.30	- .50
Zambesi black	lb.	.75	- .80

Dyes, coaltar, for stains, oil soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
865 Nigrosin derivatives	lb.	.38	- .42
Blue:—			
1075 Alizarin astrol base	lb.	15.00	- —
1078 Alizarin cyanin green base	lb.	6.00	- —
Brown:—			
Brown	lb.	1.15	- —
Green:—			
1078 Alizarin cyanin green	lb.	5.00	- —
Green	lb.	.75	- —
Orange:—			
24 Sudan I	lb.	.75	- —
Red shade	lb.	.75	- —
Red:—			
75 Sudan II	lb.	1.05	- —
258 Sudan IV	lb.	.95	- —
749 Rhodamine B (oil pink)	lb.	2.50	- —
1080 Anthraquinone violet base	lb.	6.00	- —
680 Oil violet	lb.	.50	- —
Yellow:—			
15 Amidoazobenzene yellow	lb.	.90	- —
17 Amidoazotoluene yellow	lb.	.75	- —
61 Yellow OB	lb.	1.40	- 2.00

Dyes, coaltar for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—			
864 Nigrosin	lb.	.38	- .47
Blue:—			
860 Indulin	lb.	.60	- .70
Brown—			
331 Bismarck brown	lb.	1.50	- —
Green:—			
657 Malachite green base	lb.	2.00	- —
Orange:—			
20 Chrysolin G	lb.	.95	- —
21 Chrysoldin R	lb.	.96	- —
Red:—			
677 Fuchsin, magenta, base	lb.	7.25	- —
748 Rhodamine B	lb.	4.75	- —
Yellow:—			
57 Amidoazotoluene yellow	lb.	.75	- —
655 Auramine	lb.	2.00	- —
800 Chinolin yellow SS	lb.	2.00	- —
Violet:—			
680 Methyl violet base	lb.	.85	- —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—			
246 Naphthol blue black S	lb.	.50	- —
873 Methylene gray	lb.	1.50	- —
729 Victoria blue B	lb.	1.85	- —
861 Indulin	lb.	.87	- —
909 New blue R	lb.	1.30	- —
922 Methylene blue	lb.	1.00	- —
1054 Alizarin saphirol B	lb.	1.90	- —
1180 Indigotin IA	lb.	.85	- —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Blue:—			
714 Patent blue A	lb.	1.05	- 1.10
Brown:—			
234 Resorcin brown Y	lb.	.65	- —
235 Resorcin dark brown R	lb.	.66	- —
231 Bismarck brown G	lb.	.47	- .62
332 Bismarck brown R	lb.	.47	- .62
793 Phosphin	lb.	4.65	- —
Green:—			
5 Naphthol green B	lb.	1.00	- —
657 Malachite green	lb.	1.35	- —
662 Brilliant green	lb.	2.00	- —
666 Guinea green B	lb.	1.15	- —
737 Wool green S	lb.	.58	- —
924 Methylene green B	lb.	1.55	- —
1078 Alizarin cyanin green	lb.	2.25	- —
Orange:—			
10 Chrysoldin G	lb.	.44	- —
21 Chrysoldin R	lb.	.41	- —
27 Orange G	lb.	.50	- —
151 Orange Y	lb.	.31	- .33
161 Orange R	lb.	.34	- —
31 Amidonaphthol red G	lb.	.42	- —
37 Amidonaphthol red 6B	lb.	.68	- —
79 Popceau R	lb.	.48	- —
88 Fast red B	lb.	1.05	- —
176 Fast red A	lb.	.54	- —
179 Azorubin	lb.	.60	- .62
183 Crocein scarlet 3BX	lb.	.72	- .75
185 Cochineal red A	lb.	.60	- —
252 Brilliant crosein M	lb.	.68	- —
677 Fuchsin	lb.	2.10	- —
749 Rhodamine B	lb.	3.50	- —
752 Rhodamine 6G	lb.	4.50	- —
768 Eosin G	lb.	1.50	- —
841 Safranin	lb.	1.45	- —
Violet:—			
680 Methyl violet B	lb.	.75	- —
621 Crystal violet C	lb.	1.75	- —
695 Acid violet 4BN	lb.	.88	- —
Yellow:—			
10 Naphthol yellow S	lb.	.88	- —
138 Metanil yellow	lb.	.56	- .58
636 Fast light yellow	lb.	1.25	- —
639 Xylene light yellow	lb.	1.15	- —
640 Tartarzin	lb.	.80	- —
655 Auramine	lb.	1.27	- —

Dyes, natural (see name of article).

E

Echinacea root, bls	lb.	.18	- .19
Egg albumen (see Albumen).			
yolk, dried, dom., bbls	lb.	.87	- .92
imported	lb.	.87	- .92
Elder flowers, bright, bls	lb.	.88	- .90
Elecampane root, bls	lb.	.20	- .21
Elm bark, grinding, bls	lb.	.14	- .15
powd., bbls., bxs	lb.	.20	- .21
select, bndls	lb.	.20	- .21
Emetine hydrochloride, bots	oz.	26.00	-34.50
Ephedra, bls	lb.	.18	- .19
Ephedrine, synth., USP, hemihydrate, bots., 100 ozs. or more	oz.	.65	- —
anhyd., bots., 100 ozs. or more	oz.	.65	- —
hydrochloride, tins, 100 ozs. or more	oz.	.50	- —
Sulphate, cryst., tins, 100 ozs. or more	oz.	.48	- —
natural, USP, anhydrous, bots.	oz.	1.15	- 1.85
hydrochloride or sulphate, tins	oz.	.93	- 1.45
Epsom salt, tech., bgs	100 lbs.	1.80	- —
bbls.	100 lbs.	1.90	- —

Epsom salt prices on technical and USP are on the basis of freight equalized with Balto., Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

USP, cryst., dom., bgs., c.l.,	100 lbs.	2.00	- —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25	- —
smaller lots	100 lbs.	2.50	- —
bbls., c.l.	100 lbs.	2.10	- —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35	- —
smaller lots	100 lbs.	2.60	- —
Epsom salt, U.S.P., cryst., bgs., c.l.	100 lbs.	2.35	- —
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60	- —
smaller lots	100 lbs.	2.85	- —
dried, bgs., l.c.l.	lb.	.08	- .09
Ergot, USP, ens., dms	lb.	1.75	- 1.80
Eserine, bots	oz.	No prices	
Salicylate, bots	oz.	41.00	-48.00
Sulphate, bots	oz.	41.00	-48.00
Ether, acetic (see Ethyl acetate).			
Butyl, l.c.l., dlvd	lb.	.80	- —
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.93	- 1.10
Sulphuric, conc., 810-lb. dms	lb.	.11	- —
27-lb. dms	lb.	.14	- —
Synth., dms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.11	- —
tanks	lb.	.08	- —
USP, anesthesia, hospitals, 1-lb.	cns. lb.	.60	- .61
Amyl (see Amyl, ether):			
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld.	lb.	.12	- .13
l.c.l., frt. alld.	lb.	.12½	- .13½
tanks, frt. alld.	lb.	.11	- .12
95-98%, dms., c.l., frt. alld.	lb.	.12¼	- .13¼
l.c.l., frt. alld.	lb.	.12¾	- .13¾
tanks, frt. alld.	lb.	.11¼	- .12¼
NF, 190-lb. dms.	lb.	.15½	- —
Acetoacetate, dms., c.l., works.	lb.	.37½	- —
l.c.l., frt. alld.	lb.	.38	- —
Benzoate, bots.	lb.	1.00	- 1.25
Bromide, tech., dms	lb.	.50	- .55
Caproate, cns	lb.	10.00	-11.00
Chloride, dms.	lb.	.18	- .20
Cinnamate, cns	lb.	2.50	- 2.75
Formate, cns., dms	lb.	.27½	- —
Iodide, bots.	lb.	2.50	- 2.60
Lactate, 55-gal. dms., works.	lb.	.32½	- —
5-gal. dms., works	lb.	.37½	- .39½
Oenanthate, dms.	lb.	.75	- 1.25
Oxalate, dms., frt. alld.	lb.	.33	- —
Oxyhydrate, bots.	gal.	7.50	- 8.00
Silicate, l.c.l., dms., works.	lb.	.77	- —
Vanillin, 25-lb. lots, cns	lb.	5.25	- —
5-lb. lots, cns	lb.	5.30	- —
1-lb. lots, cns	lb.	5.40	- —
Ethylcellulose, std. cans, 5,000 lbs. or more, works.	lb.	.50	- —
less than 5,000 lbs., same basis.	lb.	.52	- .60
Ethylene, dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0742	- —
West of Rockies, same basis.	lb.	.0792	- —
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0795	- —
West of Rockies, same basis.	lb.	.0841	- —
Ethyleneglycol, dms., c.l.	lb.	.14½	- —
l.c.l.	lb.	.15½	- .18½
tanks	lb.	.13½	- —
Monobutylether, dms., c.l., wks.	lb.	.16½	- —
l.c.l., works	lb.	.17½	- .20½
tanks, works	lb.	.15½	- —
Monoethylether, dms., c.l., wks.,	lb.	.14½	- —
l.c.l., works	lb.	.15½	- .16½
tanks, works	lb.	.13½	- —
Monoethylether, acetate, dms., c.l., works	lb.	.11½	- —
l.c.l., dms	lb.	.12½	- .15½
tanks, works	lb.	.10½	- —
Monomethylether, dms., c.l., works	lb.	.15½	- —
l.c.l., works	lb.	.16½	- —
tanks, works	lb.	.14½	- —
Ethylidinaniilin, dms	lb.	.45	- .47½
Eucalyptol, cns., dms	lb.	2.00	- 2.50
Eucalyptus, leaves, bls	lb.	.10	- .11
Eugenol, cns., dms	lb.	2.75	- 2.80
Euphorbia, bls	lb.	.12	- .15

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00	-17.50
l.c.l., minimum 2 tons	ton.	17.00	-20.50
glass, 20 mesh, bulk, works	ton.	9.75	-12.25
l.c.l., minimum 2 tons	ton.	12.75	-16.25
pottery, bulk, Me., works	ton.	17.00	-19.90
N.C., works	ton.	17.00	-19.00
l.c.l., minimum 2 tons	ton.	20.00	-22.00
Fennel seed, Argentine, bgs	lb.	.14	- .14¼
Indian, bgs	lb.	.16	- .16½
Fenugreek, seed, bgs	lb.	.10	- .10½
Ferric, sulphate, anhyd., c.l., works	ton.	35.00	- —
l.c.l.	ton.	40.00	- —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works	lb.	.14	- —
smaller lots, works	lb.	.15	- —
light, cs., 1,000 lbs. or over, works	lb.	.15	- —
smaller lots, works	lb.	.16	- —
Fir balsam, Canada, cns	gal.	16.00	-17.00
Oregon, bbls	gal.	1.25	- 1.40
Fish berries, bgs	lb.	.24	- .25
Fish[1] scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	Nominal	
meal, bgs., f.o.b. Balto	ton.	75.00	- —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts	unit-ton.	Nominal	
sardine, Japanese, 11½% ammon., bgs., c.i.f. ports	ton.	No prices	
Flake white, dom., bbls	lb.	.09	- —
kegs	lb.	.11	- —
Flaxseed, French, black, bgs	lb.	.70	- .75
Indian, blonde, bgs	lb.	.15	- .16
Fluorspar, dom.,[3] No. 1 ground, 95-98%, bulk, c.l., f.o.b. mines	net ton.	33.00	- —
bgs., c.l., f.o.b. mines	ton.	36.00	- —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines	net ton.	25.00	- —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines	net ton.	25.00	- —
imported, 85.5, duty paid	short ton.	26.00	- —
Formaldehyde,[1,2,3] bbls., c.l., works	lb.	.0550	- .0575
l.c.l., works	lb.	.06	- .0625
dms., c.l., works	lb.	.0515	- .0540
l.c.l., works	lb.	.0565	- .0590
tanks	lb.	.04	- .04¼
Formaldehyde prices are under 4¼c. to 9½c. OPA ceiling.			
Fringetree bark, bls	lb.	.35	- .40
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga. mines	ton.	8.50	-15.00
f.o.b. Tex. mines	ton.	12.50	- —
impert. Eng., bgs., c.l., dlvd. N.Y.	ton.	30.00	-40.00
Furfural, ref., dms., c.l., works,	lb.	.15	- —
l.c.l., works	lb.	.17½	- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10	- —
tanks, works	lb.	.09	- —
dms., c.l., works	lb.	.12½	- —
l.c.l., works	lb.	.15	- .20
Fusel oil, refd., dms., incl., dlvd.,	lb.	.18	- .18½
Fustic, cryst., bgs., No. 1	lb.	.32	- —
No. 2	lb.	.30	- —
No. 3	lb.	.28	- —
extract, bbls., No. 1	lb.	.16	- —
No. 2	lb.	.15	- —
No. 3	lb.	.12½	- —

G

G salt, bbls	lb.	.45	- —
Galangal root, bls	lb.	.25	- .30
Gambier, common, cases	lb.	No price	
plantation, cases	lb.	No price	
cubes, Singapore, cases	lb.	.13	Nom.
extract, bbls	lb.	.09½	- .12
Gasoline[1] at refinery:—			
Bayonne, US motor, tanks, ex tax	gal.	.0880	- —
California (f.o.b. San Francisco), regular, trucks, tax incl.	gal.	.14½	- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax	gal.	.05¼	- .06
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax.	gal.	.05¾	- —
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax.	gal.	.05¾	- .06
natural, 26-70, tanks	gal.	.02375	- —
Gelatin, silver, cs	lb.	.90	- .97
Gelsemium root, bls	lb.	.17	- .18
Gentian root, bls	lb.	.70	- .71
grd., bbls., bxs	lb.	.73	- .74
powd., bbls., bxs	lb.	.74	- .75
Geraniol, 92-96%, cns., dms	lb.	2.50	- 2.80
other grades, cns., dms	lb.	1.50	- 1.90
soap, cns., dms	lb.	1.10	- 1.50
Ginger, African, No. 1, bgs	lb.	.49	- .50
Cochin, unbleached, bgs	lb.	.35	- .36
Jamaica, bold, bgs	lb.	.42	Nom.
medium, t/a, bxs	lb.	.33½	- .39
grinding, t/a, bright, bgs	lb.	.38	- .38½
Ginseng root, wild Southern, cs	lb.	12.00	-13.00
Glauber's salt, anhyd. (see Soda Sulphate).			
cryst., dom., bgs., bbls., c.l., works	100 lbs.	1.05	- 1.25
5 tons or over, works	100 lbs.	1.15	- 1.35
less than 5 tons, works	100 lbs.	1.25	- 1.45
import, bgs	100 lbs.	No prices	

Glue, bone, calcimine type, 24 millipoise, 36 jellygrams, bgs., c.l., dlvd. East or Midwest	lb.	.16	Nom.
l.c.l.	lb.	.17	Nom.
36/58, c.l.	lb.	.15½	Nom.
l.c.l.	lb.	.16½	Nom.
58/82, c.l.	lb.	.17	Nom.
58 millepoise, 82 jellygrams, bgs., l.c.l.	lb.	.18	Nom.
82/108, c.l.	lb.	.17½	Nom.
l.c.l.	lb.	.18½	Nom.
hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14	- —
bbls., c.l., dlvd.	lb.	.14½	- —
122-149, bgs., c.l., dlvd.	lb.	.15	- —
bbls., c.l., dlvd.	lb.	.15½	- —
150-177, bgs., c.l., dlvd.	lb.	.16	- —
bbls., c.l., dlvd.	lb.	.16½	- —
178-206, bgs., c.l., dlvd.	lb.	.17	- —
bbls., c.l., dlvd.	lb.	.17½	- —
207-266, bgs., c.l., dlvd.	lb.	.18	- —
bbls., c.l., dlvd.	lb.	.18½	- —
237-266, bgs., c.l., dlvd.	lb.	.19	- —
bbls., c.l., dlvd.	lb.	.19½	- —
267-298, bgs., c.l., dlvd.	lb.	.20	- —
bbls., c.l., dlvd.	lb.	.20½	- —
299-330, bgs., c.l., dlvd.	lb.	.21	- —
bbls., c.l., dlvd.	lb.	.21½	- —
331-362, bgs., c.l., dlvd.	lb.	.22	- —
bbls., c.l., dlvd.	lb.	.22½	- —
363-394, bgs., c.l., dlvd.	lb.	.23	- —
bbls., c.l., dlvd.	lb.	.23½	- —
395-427, bgs., c.l., dlvd.	lb.	.24	- —
bbls., c.l., dlvd.	lb.	.24½	- —
428-460, bgs., c.l., dlvd.	lb.	.25	- —
bbls., c.l., dlvd.	lb.	.25½	- —
461-494, bgs., c.l., dlvd.	lb.	.26	- —
bbls., c.l., dlvd.	lb.	.26½	- —
495-529, bgs., c.l., dlvd.	lb.	.27	- —
bbls., c.l., dlvd.	lb.	.27½	- —

Hide glue prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less carlot prices are 1c. per pound higher than carlot. Maximum prices for chrome glue and coney glue (jelly test in grams 267 or higher) in carload lots are 2c. per pound higher than the prices established above. Transportation charges in excess of 75c. per hundredweight may be added.

Glycerin[1], Zones A and C, C.P., (B.P. 98%), drums, carlots, dlvd.	lb.	.18¾	- —
less carlots, dlvd.	lb.	.19¼	- —
tanks, dlvd.	lb.	.18¼	- —
C.P. (USP 95%), drums, carlots, dlvd.	lb.	.18¼	- —
less carlots, dlvd.	lb.	.18¾	- —
tanks, dlvd.	lb.	.18	- —
dynamite, high gravity, yellow distilled, drums, carlots, dlvd.	lb.	.18¾	- —
less carlots, dlvd.	lb.	.18¾	- —
tanks, dlvd.	lb.	.18	- —
soaplye, 80%, drums, carlots, dlvd.	lb.	.11¼	- —
less carlots, dlvd.	lb.	.11¼	- —
tanks, dlvd.	lb.	.11¼	- —
saponification, 88%, to refiners, drums, c.l., dlvd.	lb.	.12¾	- —
less carlots, dlvd.	lb.	.12¾	- —
tanks, dlvd.	lb.	.12¾	- —
saponification, 88%, individual users, dms., c.l., f.o.b. point of manufacture	lb.	.13¼	- —
less car lots, same basis.	lb.	.14¾	- —
tanks, same basis	lb.	.12¾	- —

Glycerin prices in Zone B are 2c. higher.

Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col., east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickitat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamatch; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

Glycine, medicinal, bbls., tins	lb.	1.70	- 2.00
Glycol boriborate, dms	lb.	.22	- —
Phthalate, dms.	lb.	.38	- —
Stearate, dms.	lb.	.26	- —
Gold, U.S. purchase price	oz.	35.00	- —
Chloride, acid brown, both	oz.	20.75	-21.00
yellow, bots.	oz.	18.75	-19.00
Gold-soda chloride, photo., bots.,	oz.	13.00	- —
USP IX, bots.	oz.	14.50	-14.75
Gold of pleasure, seed, bgs	lb.	.25	- .26
Goldenseal, root, bls	lb.	4.25	- 4.30
powd., bxs	lb.	4.70	- 4.75
Grains of Paradise, bgs	lb.	.29	- .30
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works.	lb.	.07	- —
bbls., c.l., works	lb.	.07¼	- —
l.c.l., works	lb.	.07½	- —
65% graphite carbon, bgs., c.l., works.	lb.	.02½	- —
l.c.l., works	lb.	.03¼	- —
bbls., c.l., works	lb.	.02¾	- —
80% graphite, carbon, bgs., c.l., works.	lb.	.03½	- —
bbls., c.l., works	lb.	.03¾	- —
l.c.l., works	lb.	.04½	- —
Grease,[1,2] house, loose	lb.	.0229¾	- —
white, loose	lb.	.0971¼	- —
Wool (see Adeps lanae and Degras).			
Green,[3] chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.23¼	- —
6-10%, bbls., same basis	lb.	.24¼	- —
11-15%, bbls., same basis	lb.	.25¼	- —
16-20%, bbls., same basis	lb.	.25¾	- —
21-25%, bbls., same basis	lb.	.26¼	- —
26-30%, bbls., same basis	lb.	.26¾	- —
31-35%, bbls., same basis	lb.	.27¾	- —
36-40%, bbls., same basis	lb.	.29¼	- —
41-45%, bbls., same basis	lb.	.30¾	- —
46-50%, bbls., same basis	lb.	.33¼	- —
Reduced, color content up to 5%, same basis	lb.	.063¼	- —
9-10%, bbls., same basis	lb.	.07½	- —
11-13%, bbls., same basis	lb.	.08	- —
14-16%, bbls., same basis	lb.	.08¼	- —
17-19%, bbls., same basis	lb.	.08½	- —
20-21%, bbls., same basis	lb.	.08¾	- —
22-23%, bbls., same basis	lb.	.09	- —
24-25%, bbls., same basis	lb.	.09¼	- —
26-27%, bbls., same basis	lb.	.09½	- —
28-29%, bbls., same basis	lb.	.10	- —
30-31%, bbls., same basis	lb.	.10¾	- —
32-33%, bbls., same basis	lb.	.12	- —
34-35%, bbls., same basis	lb.	.13	- —
36-40%, bbls., same basis	lb.	.14	- —
41-45%, bbls., same basis	lb.	.17	- —
46-50%, bbls., same basis	lb.	.17½	- —
51-55%, bbls., same basis	lb.	.18	- —

Green, chrome, reduced, color content, 56-60%, bbls., same basis..lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
66-70%, bbls., same basis.lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Oxide, dms., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .27 - —
standard grade, bbls., works..lb. .23¼- —
Tetrahydroxide, bbls.....lb. .55 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .11 - .13
Guaiac resin, cs.....lb. .80 - .85
strained, cs.....lb. .95 - 1.00
Wood, bls.....lb. .05 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.65 - 1.70
Gum Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber sort, cleaned, bgs..lb. .22 - .24
powd., bbls.....lb. .26 - .28
white, sorts, 1, bgs.....lb. .33 - .35
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.75 - 4.00
Sumatra, cs.....lb. .50 - .55
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal[6], Congo, No. 1, water white, transparent..lb. .49½- —
2, cloudy white.....lb. .29½- —
3, selected pale straw, bold, lb. .24½- —
4, pale bold straw.....lb. .24 - —
5, pale straw bold.....lb. .22⅝- —
6, pale amber bold.....lb. .21½- —
7, pale straw bold.....lb. .17 - —
8, light amber bold.....lb. .17 - —
9, medium light amber bold, lb. .13⅞- —
10, rescraped hard amber bold..lb. .13⅝- —
11, hard dark amber bold, lb. .12¾- —
12, selected bold sorts....lb. .11⅞- —
13, dark bold sorts.....lb. .09¼- —
14, selected fully-scraped ivory..lb. .23⅜- —
15, ordinary ivory sorts..lb. .10⅜- —
16, inferior ivory sorts....lb. .09½- —
17, pale fingers.....lb. .18⅝- —
18, pale straw nubs.....lb. .19½- —
19, pale straw nubs.....lb. .18⅝- —
20, dark hard amber nubs, lb. .13¼- —
21, ordinary selected nubs.lb. .12⅝- —
22, small mixed nubs.....lb. .10⅜- —
23, dark mixed nubs.....lb. .11⅞- —
24, No. 1 ivory nubs.....lb. .17¼- —
25, No. 1 natural ivory nubs, lb. .09½- —
26, pale bold chips.....lb. .10⅜- —
27, pale small chips.....lb. .10¼- —
28, pale Congo dust.....lb. .06⅜- —
Manila, Boeas, amber and dark..lb. .14 - —
Boeas, light.....lb. .15⅝- —
Loba A.....lb. .14½- —
B.....lb. .14¼- —
C.....lb. .13⅞- —
CNE.....lb. .10½- —
D.....lb. .13¼- —
DK.....lb. .10 - —
dust.....lb. .07⅞- —
Philippine, amber sorts..lb. .10⅝- —
extra pale sorts.....lb. .13¼- —
nubs.....lb. .14¼- —
pale chips.....lb. .13½- —
scraped.....lb. .15½- —
seeds and dust.....lb. .09⅜- —
small pale chips.....lb. .11⅞- —
Sambas and white split chips..lb. .15⅝- —
Singapore dust.....lb. .07⅞- —
Spirit soluble, CBB.....lb. .13½- —
DBB.....lb. .12¼- —
MA.....lb. .10¼- —
MB.....lb. .09⅜- —
WS.....lb. .12¼- —
Pontianak, bold, genuine..lb. .22⅞- —
chips.....lb. .14½- —
mixed.....lb. .17⅝- —
nubs.....lb. .18⅞- —
split.....lb. .19⅜- —
Dammar[5,6], Batavia A.....lb. .35⅞- —
A/C.....lb. .31¼- —
A/D.....lb. .28⅝- —
A/E.....lb. .25⅝- —
B.....lb. .34⅜- —
C.....lb. .28⅝- —
D.....lb. .25⅝- —
dust.....lb. .13⅜- —
E.....lb. .18¾- —
F.....lb. .13¾- —
Singapore, No. 1.....lb. .30⅝- —
2.....lb. .25⅜- —
3.....lb. .12⅜- —
chips.....lb. .23½- —
dust.....lb. .13 - —
seeds.....lb. .17¾- —
East India[5,6], Batu, bold scraped lb. .11¼- —
bold unscraped.....lb. .10¼- —
chips.....lb. .07¼- —
dust.....lb. .07 - —
nubs and chips.....lb. .07¼- —
Black, bold scraped.....lb. .12½- —
bold unscraped.....lb. .08 - —
nubs and chips.....lb. .07¾- —
Hiroe, pale bold.....lb. .17⅜- —
chips.....lb. .11½- —
dust.....lb. .07 - —
nubs.....lb. .13⅜- —
Rasak, bold.....lb. .22⅜- —
chips.....lb. .12⅜- —
dust.....lb. .07 - —
nubs.....lb. .17¾- —
Elemi.....lb. .08⅞- —

Gums, copal, Congo and Pontianak, are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in car-load lots, ex dock or ex whse. San Francisco or New York. l.c.l. prices are ¼c. to ½c. per lb. higher.

Ester, ordinary, 30,000-50,000 lbs., dlvd. N. Eng., Middle Atlantic States, Va., W. Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., and Montreal and Toronto, Can..lb. .09½- —
other points.....lb. .10 - .11

Gum, ester, ordinary, 2,500-30,000 lbs., dlvd. N. Eng., etc. lb. .09¾- —
other points.....lb. .10½- .11¾
smaller lots, dlvd. N. Eng., etc..lb. .10 - —
other points.....lb. .10¾- .12

Ester gum spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. 2.30 - 2.35
powd., bbls.....lb. 2.50 - 2.55
Ghatti, soluble, bgs.....lb. .11 - .15
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, BX.....lb. .38 - —
BXXX.....lb. .60 - —
B1.....lb. .28 - —
B2.....lb. .24 - —
B3.....lb. .18½- —
80% chips.....lb. .15½- —
pale, XXX.....lb. .61 - —
1.....lb. .41 - —
2.....lb. .24 - —
3.....lb. .17¾- —

Gum Kauri prices are for car-load lots, packed in cases, ex dock or ex whse. San Francisco or New York. L.c.l. prices are ¼c. to ½c. per pound higher.

Kino, tins.....lb. No prices
Locust beans, powd., bbls...lb. 1.15 - 1.25
Mastic, cs.....lb. 3.25 - 3.30
Myrrh, USP, cs.....lb. .78 - .79
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .20 - .25

Gum, opium (see O).
Rosin (see R).
Sandarac, cks.....lb. 1.00 - 1.10
Scammony, cs.....lb. 1.80 - 1.85
Talha, bgs.....lb. .10 - .11
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.75 - 4.00
2 cs.....lb. 2.00 - 3.00
3 cs.....lb. 1.10 - 1.20
Yacca, bgs.....lb. .06½- .07¾
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans. frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —

Green, Chrome—Hematine

Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kansas; **Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem** River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.....ton. 8.00 - —
Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla.ton..12.00 - —
Harlem River, N.Y..ton.12.00 - —
import, bgs., ex dock....ton. No prices

H

Hawthorn berries, bgs.....lb. 1.25 - 1.30
Heliotropin, cryst., cns.....lb. 3.25 Nom.
Hellebore root, white, powd., bbls. lb. .36 - .42
Helonias root, bls.....lb. .63 - .64
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —

STEEL CONTAINERS
for active chemicals
difficult to pack

DICHLOR BENZOL
FORMALDEHYDE (CRYSTAL)
ANILINE DYES & INKS
ETHYLENE DICHLORIDE
CALCIUM HYPOCHLORITE

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LINED STEEL DRUMS AND PAILS

are now used for the safe shipment of these and hundreds of other chemical products that in the past have required expensive tin lined containers.

The scarcity of tin for this use has made the development of the modern Steri Seald container assume utmost importance to the chemical industry. For today the solution to your container problem may be already solved and the answer awaiting in the Wilson & Bennett research laboratory.

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LINED STEEL CONTAINER
JERSEY CITY • NEW ORLEANS
CHICAGO

Hematine Paste—Mag. Carb.

Hematine paste, brs., No. 1..lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03½ Nom.
l.c.l., bbls., works.....lb. .03¾ Nom.
tanks, works.....lb. .03 Nom.
Hempseed, Manchur., bgs.....lb. .15½- .16
Henbane leaves, bbls.....lb. 2.85 - 3.25
Henna leaves, bls.....lb. .28 - .30
powd., bbls., bxs.....lb. .33 - .35
Heptanes,[1] 56°-100°C, industrial grade, dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
50°-100° C., laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
77°-115°C, industrial grade, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,3,4] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
5lb. ctns., same basis.....lb. .40 - —
Hexanes,[1] 60°-70°C, industrial grade, dms., c.l., Group 3..gal. .13¼- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .11 - —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .28 - —
Homatropine hydrobromide, 25 oz., bots..oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago unit. 4.00 - 4.25
Hops, NF, bls.....lb. .26 - .27
Horehound, bls.....lb. .14 - .15
Hydrangea root, bls.....lb. No prices
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.29.00 - —
Hydrastine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
5lb. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellol, cns.....lb.10.25 -10.50
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.37.50 - —
Hydrobromide, bots.....oz.37.50 - —
Sulphate, bots.....oz.37.50 - —
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .19 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. 16½- .19
powd., bbls.....lb. .74½- .85
Indian metal.....oz.12.50 - —
Indol, CP, bots.....lb.28.00 -30.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs... lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.19 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.15 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns.....lb. 4.55 - —
Ipecac, root, bgs.....lb. 2.05 - 2.10
powd., root, bgs.....lb. 2.10 - 2.15
Irish moss, ordinary, bls.....lb. .30 - .35
powd., 80-90 mesh, bbls..lb. .50 - .55
prime bleached, bls.....lb. .80 - .85
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.30 - 3.39
100-lb. lots.....lb. 3.40 - 3.49
cns., 25 lbs.....lb. 3.52 - 3.62
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.22
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns. .....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms..lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls....lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms. .....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12½- —
c.l., E. of Rockies, frt. alld. lb. .11½- —
l.c.l., E. of Rockies, frt. alld..lb. .12 - —
tanks, E. of Rockies, frt. alld..lb. .10½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .53 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld. gal. .44 - —
tanks, E. of Miss., frt. alld. gal. .25 - —
W. of Miss., frt. alld.. gal. .29 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .65 - .70
powd., bbls., bxs.....lb. .70 - .75
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .50 - .60

K

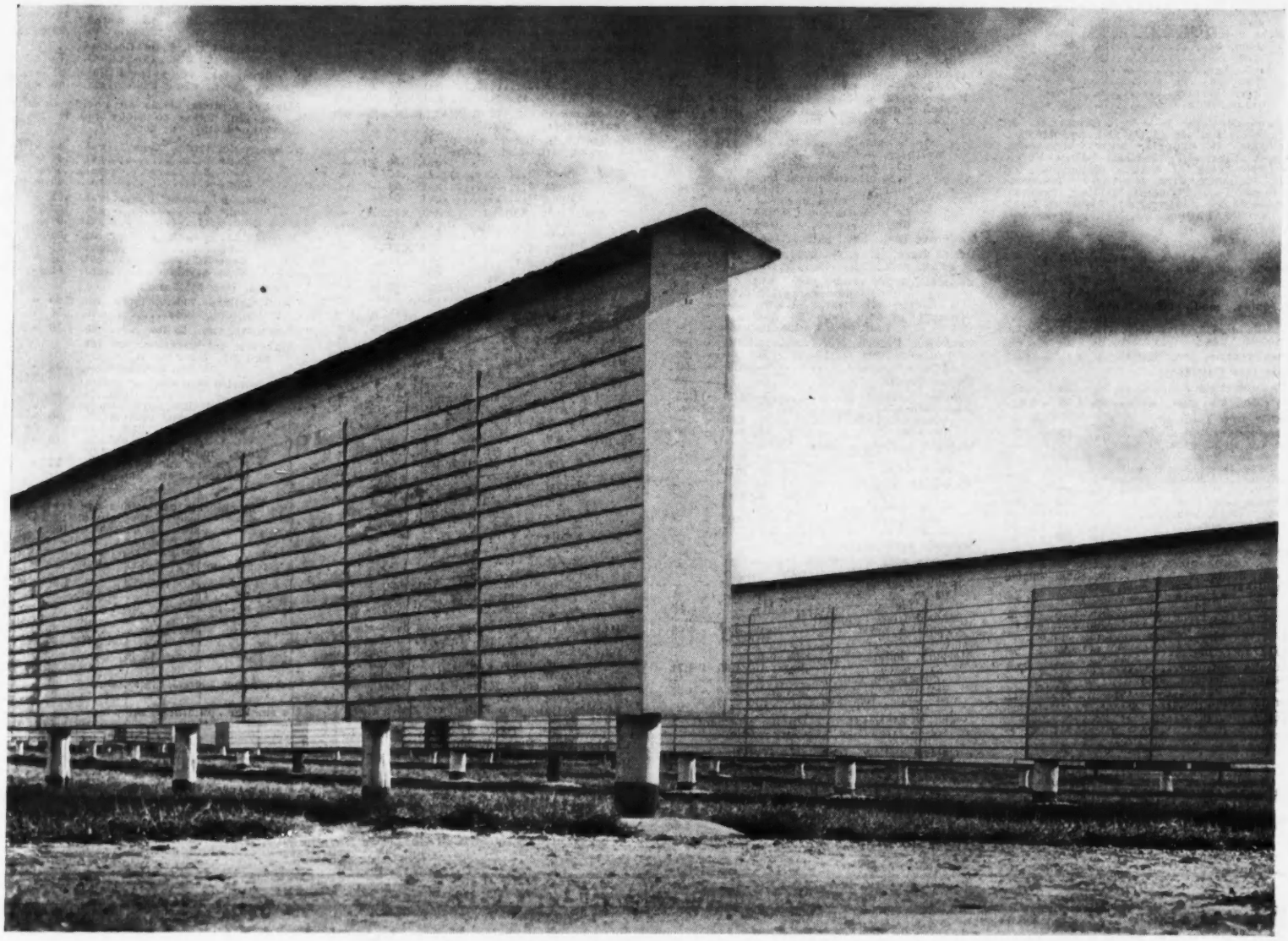
Kamala, tins.....lb. .40 - .41
Kaolin (see China clay).
Kava kava root, bls.....lb. .24 - .26
Kerosene[1] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0570- —
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, 41-43, bulk....gal. .03¾- .04¾
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04¾- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04¾- .04¾
Pennsylvania, 43 w.w., tanks, gal. .06¼- —
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .58
Lanolin (see Adeps lanae).
Lard,[4] city, tubs.....100 lbs.12.50 -12.75
Middlewestern, trcs....100 lbs.12.50 -12.60
Neutral, trcs.....100 lbs.12.75 -13.00
Western, choice, trcs..100 lbs.12.60 -12.70
Compound, trcs.....100 lbs.16.50 -17.00
Larkspur seed, bgs.....lb. 4.85 - 5.00
Laurel berries, bls.....lb. .25 - .26
Greeks, bls.....lb. .55 - .56
Cypress, bls.....lb. .52 - .54
Portuguese, bls.....lb. .21 - .22
Spanish .....lb. .19 - .20
Lavender flowers, ordinary, bls.lb. .40 - .45
medium, bls.....lb. .83 - .85
select, bls.....lb. .95 - 1.00
Lead,[1] metal (see paint market).
Acetate, white, broken, bbls..lb. .12¾- .13¼
cryst, bbls.....lb. .12¾- .13¼
gran., bbls.....lb. .13½- .14
powd., bbls.....lb. .13½- .14
Arsenate, bls., c.l.....lb. .11 - .12
l.c.l., bgs.....lb. .11¼- .12¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., c.l., dlvd., E..lb. .07½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N.M., Ore., Utah, Wash., Wyo..lb. .08¼- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs...lb. .40 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars .....lb. 2.65 - —
Linoleate, pale, precip., dms..lb. .19 - .22
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech.lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Other points.....lb. .09 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc. lb. .10½- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10¼- —
Lead, red, dry, 97.5%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .09¾- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10¼- —
in oil, 95% min., 100-lb. kgs. lb. .14 - —
Resinate, fused, 15%, bbls...lb. .10 - .12
pale, bbls.....lb. .12 - .14
Silicate, bgs., 5 tons.....lb. .0730- —
smaller lots.....lb. .0780- —
Stearate, bbls.....lb. .28 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., Wash. and Wyo..lb. .08½- —
other points.....lb. .08¼- —
l.c.l., dlvd. Ariz., etc...lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd., Ariz., etc...lb. .08¼- —
other points.....lb. .07¾- —
in oil, 100-lb. kgs., consumers. lb. .13¾- —
100-lb. kgs., dealers.....lb. .11¾- —
painters .....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N.Y. or Chi..lb. 2.50 - —
edible, grade I, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis. .....lb. .47½- .65
grades 2 and 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .59 - .67½
grade 4, dms., c.l., same basis lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .86
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.... ..lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .38 - .39
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, natural, bls.....lb. .15 - .16
powder, bbls., bls.....lb. .20 - .21
select, bdls., cs.....lb. No stocks
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
Hydrated, paper bgs., f.o.b.:—
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potosakey, Mich....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Lime, hydrated, spray, paper bgs., f.o.b., Adams, Mass..ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. No price.
dms., same basis.....lb. No price.
400 lbs. or more, bgs., same basis..lb. No price.
dms., same basis.....lb. No price.
less than 400 lbs., same basis..lb. No price.
dms., same basis.....lb. No price.
Solution, Zone 1, dms., consumers..gal. No price.
Zone 2, tanks, dealers, wks. gal. No price.
30-50, dms.....gal. No price.
Zone 3, tanks, dealers, dlvd. gal. No price.
30-50, dms.....gal. No price.
Zone 4, tanks, dealers, wks. gal. No price.
dms., wks., except Cal.gal. No price.
Zone 5, tanks, dealers, dlvd. gal. No price.
dms. .....gal. No price.
Zone 6, tanks, dealers....gal. No price
30-50, dms.....gal. No price.
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 4.75 - 7.00
Linalyl acetate, 70%, cns.....lb. 5.50 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25
Linden flowers, bls.....lb. .95 - 1.15
without leaves, bls..... No stocks
Linseed meal, bulk.....ton.31.00 - —
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
dlvd. other points.....lb. .0790- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08¼- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - —
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....oz. 5.20 - —
25-lb. jars.....oz. 5.05 - —
Lithopone,[1] titanated (high strength), bgs., c.l., (20 ton)..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l. (20 tons).....lb. .0585- —
smaller lots.....lb. .0610- —
ordinary, bgs., c.l. (20 tons).lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ½c. higher ex whse., Pac. Cst.
Livermort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .48 - .50
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls.....lb. .60 - .65
imported, bls.....lb. No stocks
Lupulin, N.E., tins.....lb. 1.70 - 1.75
Lycopodium, cs.....lb. 8.50 Nom.

M

Mace, Banda, cs.....lb. 1.05 - 1.10
Siauw, cs.....lb. .95 - 1.00
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06½- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —



Some of the test fences at a National Lead Company Experiment Station, Sayville, L. I.

WHITE LEADS PUTS "WEATHER-FIGHT" INTO PAINT

Call it "weather-fight," gumption, or just plain durability . . . basic carbonate white lead gives paint the ability to stand up to the weather, as acres of homes and thousands of tests prove.

Here's part of the answer: white lead makes paint distensible, flexible, elastic, tough . . . qualities due largely to a beneficial reaction between the oil vehicle and the surface of the pigment particles, commonly known as the formation of lead soaps.

And here's another contributing factor: white lead's range of particle sizes enables it to pack densely, thus reinforcing the film.

Yes, white lead builds ruggedness into paint. It not only gives durability, but also easier brushing and working qualities, improved adhesion, more thorough drying.

There are five Dutch Boy basic carbonate white leads, ranging from a low oil absorption type to one with extra-high hiding and paint thickening power. One of these leads is exactly suited to every need.

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

111—*Extra-high hiding and paint consistency.* **333**—*High hiding and paint consistency, but less than 111.* **H.T.S.**—*Medium-high hiding and paint consistency.* **Carter**—*Medium-low oil absorption white lead, made by the Carter Process.* **Dutch**—*Low oil absorption white lead, made by the Dutch Process.*

NATIONAL LEAD COMPANY: 111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Company, 800 Albany Street, Boston; National Lead & Oil Co. of Pennsylvania, 1376 River Avenue, Pittsburgh; John T. Lewis & Bros. Company, Widener Building, Philadelphia.

Mag. Carb.—Methylcyclohex

Magnesia, carbonate, USP, Zone 1, c.l., bgs..lb. .08 - —
bbls. ..lb. .08½- —
kgs. ..lb. .09¾- —
l.c.l., bgs..lb. .09 - —
bbls. ..lb. .09¾- —
kgs ..lb. .10¾- —
Zone 2, c.l., bgs..lb. .08½- —
bbls. ..lb. .08½- —
kgs. ..lb. .09¾- —
l.c.l., bgs..lb. .08¾- —
bbls. ..lb. .09¼- —
kgs. ..lb. .10¼- —
Other points..lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md. c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of N.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l. ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, mod., 200-lb. bbls. lb. .25 - —
25-lb. dms..lb. .30 - —
100-lb. kgs..lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls..lb. .33 - .35
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls..lb. .20 - .35
Stearate, bbls., ctns., 1 ton..lb. .31 - —
smaller lots..lb. .33 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms..lb. .42 - —
cs., 500-lb. lots..lb. .40 - —
100-lb. lots..lb. .42 - —
5-lb. cns..lb. .60 - —
Magnesite, cal., dom., bgs., pwd., f.o.b. mines, Calif..ton.58.75 - —
l.c.l., dlvd., N. Y.....ton.83.00 -88.00
dead-burned, dom.,[3] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -26.00
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls..lb. 2.25 - 2.50
Leaves, bls..lb. .40 - .65
Manaca root, bls..lb. .28 - .34
Mandrake root, bls..lb. .25 - .26
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs..lb. .12 - .13½
Borate, tech., bbls..lb. .15 - .17
Carbonate, bbls..lb. .19 - —
Chloride, bbls..lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 25-40 tons, works. ton.74.00 - —
5-15 tons, works.....ton.77.00 - —
½, 4 tons, works.....ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works.. ton.71.75 - —
Manganese, Caucasian, burlap bgs., l.c.l., 5 tons, works, ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.06 - 3.14
100-lb. lots..lb. 3.15 - 3.24
cns., 25 lbs..lb. 3.27 - 3.36
Hydrate, bbls., dlvd..lb. .32 - —
Iodide, bots., 5 lbs..lb. 5.70 - —
jars, 25 lbs..lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms..lb. .13 - .15½
Sulphate, anhyd., ton lots, works..lb. .10½ Nom.
single, bbls., works.....lb. .11½ Nom.
fertilizer, 65%, MnSo., bgs., c.l., dlvd. rail stations in Southern freight territory ..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. or Cincinnati ..ton.66.50 - —
Mangrove bark, bgs., shipt...ton. No price
Manna flake, large, cs.....lb. No stocks
small, cs..lb. 3.45 - 3.50
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marjoram, French, No. 1.....lb. .84 - .88
Tunisian, bls..lb. .55 - .56
Chilean ..lb. .55 - .56
Matico leaves, bls..lb. .22 - .24
Menthol, natural, cs.....lb.14.00 -14.25
synthetic, USP, cs.....lb. No price
technical, 60-lb. cs.....lb. 3.00 - —
smaller lots..lb. 3.10 - 3.25
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots..lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs..lb. 1.44 - —
25 lbs..lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs..lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms..lb. 2.89 - —
25-lb. jars..lb. 2.91 - —
Chloride[2] (see Calomel).
Cyanide,[2] cryst..lb. 4.00 - 4.06
powd. ..lb. 4.00 - 4.05
Mercury, iodide,[2] red, NF, 5-lb. bots..lb. 4.66 - 4.71
100-lb. fib. dms..lb. 4.60 - —
yellow, 5-lb. bots..lb. 4.76 - 4.81
fib. dms., 100 lbs..lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).
yellow, NF VI, fib. dms., 50 lbs. or more..lb. 3.38 - —
red,[2] NF (see Red precipitate).
Mercury and chalk,[2] 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms..lb. 1.86 - 1.88
Mesityl oxide, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd..lb. .13 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5¼ in.....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in..pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural,[1,6] producer group A, all grades, E. of Miss R., tanks..gal. .60 - —
dms., c.l..gal. .66 - —
l.c.l. ..gal. .76 - —
Methanol prices W. of Miss. R. are 3c. per gal. higher.
Natural[1,6,8] pure, group B, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2..gal. .52 - —
Zone 3..gal. .54 - —
Zone 4..gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2..gal. .57½- —
Zone 3..gal. .59½- —
Zone 4..gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2..gal. .75½- —
Zone 3..gal. .62½- —
Zone 4..gal. .75½- —

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic,[2,6] pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd..gal. .44½- —
3, frt. alld..gal. .38½- —
4, frt. alld..gal. .40½- —
dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld..gal. .36½- —
3, dlvd., S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- —
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld..gal. .30 - —
3, frt. alld..gal. .32 - —
4, frt. alld..gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R..lb. .11½- .13
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - .14
W. of Miss. R..lb. .12 - .13½
tanks, dlvd. E. of Miss. R..lb. .09½- —
W. of Miss. R..lb. .10½- —
Methyl acetate, tech., dms., c.l., dlvd. E. of Miss R..lb. .08 - .09
l.c.l., dlvd. E. of Miss. R. lb. .07½- .11
dlvd. W. of Miss. R..lb. .07½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R..lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis..gal. .81 - —
l.c.l., same basis...gal. .86 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2..gal. .44½- —
Zone 3..gal. .45½- —
Zone 4..gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 3..gal. .53½- —
Zone 4..gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2..gal. .57 - —
Zone 3..gal. .58 - —
Zone 4..gal. .59½- —
Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - —
25-lb. lots., bots..lb. 2.35 - —
Benzoate, cns., 25 lbs.....lb. 1.10 - 1.15
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers. cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms..lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots..lb. 4.00 - 4.15
Salicylate, dms..lb. .35 - .37
cns. ..lb. .37 - .40
Molybdate[3] violet toner, bbls., lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —

SPOT DELIVERIES

White
Calcined Magnesite

FOR VICTORY BUY UNITED STATES DEFENSE BONDS AND STAMPS

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK • PHONE LE 2-9740

Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .80 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l...ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l.....lb. .05 - —
paper, wall or coated, c.l.lb. .04½- —
l.c.l.....lb. .05 - —
rubber, c.l.....lb. .04½- —
l.c.l.....lb. .04¾- —
biotite, c.l.....lb. .03¾- —
l.c.l.....lb. .04¼- —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher west of the Mississippi.

Milk, powder, skimmed, roller, bbls., c.l..lb. .14 - .15
l.c.l.....lb. .15 - 16
spray, bbls., c.l.....lb. .14½- .15½
l.c.l.....lb. .15½- .16½
unskimmed, roller, bbls., c.l., lb. .26 - .27
l.c.l.....lb. .26½- .27½
spray, bbls., c.l.....lb. .27 - .28
l.c.l.....lb. .27½- .28½
Millet seed, yellow, bgs.....lb. .03½- .04
early fortune, bgs.....lb. .03¾- .03¾
hulled, bgs.....lb. .07 - .07½
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .16 - .17
f.o.b. Gulf ports.....gal. .16 - .20
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .85 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., l.c.l.lb. .07 - —
smaller cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .47 - —
Monomethylamine, dms., c.l., l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cans.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots.....oz.37.00 -39.00
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - —
5 lbs. to 75 lbs.....lb. 4.10 - —
1 lb.....lb. 4.45 - —
ketone, cns., 100 lbs. or more, lb. 4.15 - —
5 lbs. to 75 lbs.....lb. 4.25 - —
1 lb.....lb. 4.60 - —
xylol, cns., 100 lbs. or more.lb. 1.40 - —
5 lbs. to 75 lbs.....lb. 1.50 - —
1 lb.....lb. 1.80 - —
Musk root, bls.....lb. 2.45 - 2.50
Mustard seed, California, brown, lb. .17 - .17½
yellow, bgs.....lb. .08½- .09
Chinese, yellow, bgs.....lb. .07 - .07½
Danish, yellow.....lb. .27 - .28
Montana, yellow, bgs.....lb. .07 - .07¼
Roumanian, yellow.....lb. .13½- .14
Washington, yellow, bgs.....lb. .07 - .07½
Myrobalans, J1, bgs., f.a.s...ton. No prices
J2, bgs., f.a.s.....ton. No prices
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[6] crude, dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .08 - —
50-lb. cs., same basis.....lb. .08¼- —
pkgs. (16-oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic)
Nickel[5] carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine,[2] sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .16 - .16½
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are retunable.

Nitroethane, l.c.l., dms., works.lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 3.00 - —
Chemical, Ill.....unit-ton. 3.00 - —
f.o.b. E. coast prod., points..unit-ton. 3.35 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., wks.lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz.....lb. No price
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).

Methylene Blue—Oil, Avocado

Nutmegs, E.I., 80s, bgs., cs...lb. .75 - .80
110s, bgs., cs.....lb. .65 - .70
small grinding, bgs.....lb. .55 - .57
West Indian, bgs.....lb. .54 - .56
Nux vomica, bls.....lb. .08 - .09
powd., bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½ Nom.
l.c.l., bbls., works.....lb. .03¾ Nom.
tanks.....lb. .02 Nom.
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. 3.50 - 3.75
sweet, true, exp., dms., cns. lb. 2.65 - 2.75
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. .52 - —
Angelica, root, bots.....lb.150.00 Nom.
seed, bots.....lb.150.00 Nom.
Anilin (see A).
Oil, anise, USP, cns., dms....lb. 3.50 - 3.75
Apricot, kernels, cns.....lb. .45 - .48
Avocado, cns., dms.....lb. 1.00 - 1.25

STEARATES

FOR PAINTS, VARNISHES, LACQUERS AND PRINTING INKS . . . Used as flatting agents, bodying agents, pigment suspension agents, waterproofing agents and as fungicidal reactors in formulations. The Stearates are fine powders characterized by their ability to form gels with organic solvents.

HARSHAW STEARATES

ALUMINUM	LEAD
CALCIUM	MAGNESIUM
COPPER	ZINC
IRON	

Harshaw Stearates are made in a variety of grades and are available for immediate shipment.

RESINATES

FOR VARNISHES, ENAMELS, INTERIOR PAINTS AND PRINTING INKS . . . Used as an economical source of drying metals. They are manufactured in two different types — Precipitated—fine bulky powders high in metal content — and Fused — brittle lumps, low cost driers of long standing.

HARSHAW RESINATES

ALUMINUM	IRON
CALCIUM	LEAD
COBALT	MANGANESE
COPPER	ZINC

Harshaw Resinates are made in various standard percentages of metal content and immediate shipment can be made.

THE HARSHAW CHEMICAL CO.

CLEVELAND, OHIO, AND PRINCIPAL CITIES

Oil, Bay—Oil, Sandalwood

Oil, bay, W. I., 50-55% phenols,	cns.	lb.	1.55 - 1.60
Porto Rican, 55-60% phenols,	cns.	lb.	1.65 - 1.70
Bergamot, artif.,	cns.	lb.	2.25 - 6.50
natural, coppers		lb.	32.00 -35.00
Brazilian,	cns.	lb.	10.00 -10.25
Birch (see Oil, sweet, birch).			
Birchtar, crude,	cns.	lb.	No prices
rect'fd.,	cns.	lb.	No prices
Bois de Rose, Brazil,	cns.	lb.	5.75 - 6.00
Mexican (see Linaloe, wood).			
Bone, dms., works		gal.	.65 - .75
Cade, USP IX (see Oil Juniper tar).			
Cajeput, tech.,	dms.	lb.	2.50 - 2.60
USP IX,	cns.	lb.	2.60 - 2.70
USP X,	cns.	lb.	3.00 - 3.10
Calamus,	cns.	lb.	No stocks
Camphor, sassafrassy,	cns.	lb.	.45 - .46
dms.		lb.	No prices
white,	cns.	lb.	No prices
dms.		lb.	No prices
Cananga, native,	cns.	lb.	18.00 -19.00
rectified,	cns.	lb.	19.00 -20.00
Capsicum (oleoresin), USP VIII,	cns.	lb.	3.55 - 5.50
Caraway, USP,	cns.	lb.	15.00 -16.00
Cardamom,	bots.	lb.	25.00 -35.00
Cassia, USP,	cns.	lb.	12.00 -12.50
Castor,[1,2] blown, one-way	dms.	c.l. lb.	15¼- —
		l.c.l. lb.	.16 - —
cold pressed, USP,	bbls., c.l.	lb.	.14 - —
		l.c.l. lb.	.14½- —
Oil, castor, cold-pressed,	cns. (1-gal.), l.c.l.	lb.	.17¾- —
	cns. (5-gal.), l.c.l.	lb.	.15¾-
	dms. (returnable), c.l.	lb.	.13¾- —
	l.c.l.	lb.	.14½- —
	tanks	lb.	.13 - —
dehydrated,	dms.	lb.	.1860- —
	l.c.l.	lb.	.1900- —
	tanks	lb.	.1770- —
extracted, No. 3, tech.,	cns., c.l.	lb.	.13¾- —
	l.c.l.	lb.	.14¼- —
	dms. (returnable), c.l.	lb.	.13½- —
	l.c.l.	lb.	.14¼- —
	tanks	lb.	.12¾- —
sulphonated, 50% (43% fat),	dms., c.l.	lb.	.10 - —
	l.c.l.	lb.	.11 - —
75% (63% fat),	dms., c.l.	lb.	.12¼- —
	l.c.l.	lb.	.13¼- —
80% (68% fat),	dms., c.l.	lb.	.12½- —
	l.c.l.	lb.	.13½- —
Cedarleaf, U.S.P.,	cns.	lb.	1.65 - —
technical,	cns.	lb.	1.10 - —
Cedarwood, Southern,	dms.	lb.	.95 - 1.00
Celery,	bots.	lb.	30.00 -35.00
Chaulmoogra, USP,	cns.	lb.	.68 - —
Chinawood,[3]	dms.	lb.	.40¼ Nom.
	tanks	lb.	.3885 Nom.
Cinnamon, bark,	bots.	lb.	11.00 -32.00
leaf,	dms.	lb.	No stocks
Citronella, Ceylon,	cns.	lb.	1.75 - 1.85
	dms.	lb.	1.70 - 1.80
Java,	cns., dms.	lb.	2.50 - 2.75
Clove, makers, USP,	cns.	lb.	1.85 - 2.10
	dms.	lb.	1.75 - 2.00
Coconut,[3] Manila, crude, tanks.		lb.	No prices
	edible, 76°, ret. dms., l.c.	lb.	No prices
Cod,[3] Newf.,	dms.	gal.	.85 - —
Codliver,[3] med., USP, 30-gal. bbls., ordin.		bbl.	80.00 -88.00
Oil, coriander,	bots.	lb.	30.00 -35.00
Corn,[3] crude, tanks, works		lb.	.12¾ Nom.
refd.,	bbls.	lb.	.13½ Nom.
Cottonseed,[3] cooking,	bbls.	lb.	.16¾- —
salad,	bbls.	lb.	.17 - —
Creosote (see C).			
Croton, NF,	cns.	lb.	No stocks
Cubeb, USP,	cns.	lb.	7.50 - 7.75
Crude (see Petroleum, crude).			
Cumin,	bots.	lb.	10.00 -12.00
Cypress,	bots.	lb.	12.00 - —
Degras (see D).			
Dillseed,	bots.	lb.	8.00 - 8.25
weed,	bots.	lb.	8.00 - 8.25
Dip (D).			
Erigeron,	cns.	lb.	2.45 - 2.50
Eucalyptus,	cns.	lb.	.83 - .88
	dms.	lb.	.80 - .85
Fennel, sweet,	cns.	lb.	3.25 - 3.50
Gaultheria (see Oil, wintergreen leaf)			
Geranium, Algerian, rose,	cns.	lb.	30.00 Nom.
Bourbon,	cns.	lb.	30.00 Nom.
Turkish (see Palmarosa).			
Grapefruit,	cns.	lb.	1.65 - 2.65
Grapeseed, dom.,	dms.	lb.	.35 - .36
imported,	dms.	lb.	.20 - .25
Ginger, dist.,	bots.	lb.	20.00 -21.00
Guaiac wood, concrete,	bots.	lb.	4.50 - 4.75
Halibut[3] liver, ref.,	dms.	gal.	73.00 Nom.
Hemlock,	cns.	lb.	1.20 - 1.25
Juniper berry,	cns.	lb.	12.00 -13.00
wood, tech.,	cns.	lb.	1.50 - 1.55
Juniper, tar, USP XI,	dms.	lb.	.80 - .95
Oil, lard,[3] common, 1,	bbls.	lb.	.14¾- —
2,	bbls.	lb.	.14¼- —
extra,	bbls.	lb.	.15¼- —
1,	bbls.	lb.	.14¾- —
winter, strained,	bbls.	lb.	.15½- —
prime, burning,	bbls.	lb.	.16 - —
prime, ined.,	bbls.	lb.	.15¾- —
Laurel,	bots.	lb.	5.00 Nom.
Lavandin,	cns., 25 lbs.	lb.	No stocks
Lavender, flower, French,	cns.	lb.	No prices
garden,	cns.	lb.	.55 - .70
spike, Spanish, tech.,	cns.	lb.	4.25 - 4.35
	dms.		4.15 - 4.25
Lemon, Calif.,	cns.	lb.	3.25 - —
Messina, coppers,	cns.	lb.	5.50 Nom.
Terpeneless, Type 1		lb.	11.75 -15.00
Type 2		lb.	9.50 -13.00
Uruguay, 10 kilo cans		lb.	5.50 - 5.75
Lemongrass, native,	cns., dms.	lb.	4.25 - 4.50
Lime, dist.,	cns.	lb.	13.00 -14.00
expressed,	cns.	lb.	16.00 -17.00
Lignaloe, wood, Mexican,	cns.	lb.	3.50 - 3.75
Brazilian (see Bois de rose)			
Linseed, raw,	dms., c.l.	lb.	.1410- .1430
	l.c.l., 10 to 69	lb.	.1430- .1450
	5 to 9	lb.	.1470- —
	less than 5	lb.	.1490- —
	tanks	lb.	.1320- .1340
boiled,	linseed oil .004 cent over raw.		
Lovage, extra fine,	bots.	lb.	85.00 - —
Lubricating,[1] at refinery, ex tax,	California, neutrals, pale, 200-600 vis., 2¼-4, tanks.	gal.	.07¼- .11
	red, 200-900 vis., 4-6½ plus,	tanks.	.07¼- .11½
	Group 3, bright stock, 150-160 vis., 0-25 pour, tanks.	gal.	.22½- .23
	neutral, 150-300 vis., 3, 0-10 pour, tanks.	gal.	.14½- .18
	200-280 vis., 3, 15-25 pour, tanks.	gal.	.15 - .17½
	Pennsylvania,[2] bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks.	gal.	.25 - .30½
	cylinder oils, 600-630 flash, tanks.	gal.	.16 - .17
	600-650 steam ref'd, tanks.	gal.	.15 - .15½
	neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks.	gal.	.31 - .38½
	200 vis., 0-25 pour, tanks.	gal.	.33 - .40½
Mace, dist.,	cns., dms.	lb.	5.25 - 5.50
Mandarin, Brazilian,	cns.	lb.	9.00 -10.00
Italian,	coppers	lb.	13.00 Nom.
Menhaden,[3] crude, tanks, Balto.		gal.	.6660 Nom.
ref'd, alkali, ret.	dms.	lb.	.1240-.1280
kettle-boiled, ret.	dms.	lb.	.1340-.1380
light-pressed, ret.	dms.	lb.	.1140-.1180
	tanks	lb.	.1060-.1080
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP,	bots., cns.	lb.	1.50 - 1.60
dist., natural,	bots.	lb.	9.50 -10.00
expressed,	tanks, f.o.b. Los Angeles.	lb.	.15 - —
Neatsfoot,[6] 20° c.l.,	bbls.	lb.	.25¾- —
extra,	bbls.	lb.	.14¾- —
1,	bbls.	lb.	.14¾- —
prime,	bbls.	lb.	.15¼- —
pure,	bbls.	lb.	.19¼- —
Neroli,	bots.	lb.	300.00 Nom.
Nutmeg, dist.,	cns., dms.	lb.	5.25 - 5.50
Officica,[3] liquid,	dms.	lb.	.25¼ Nom.
	tanks	lb.	.25 Nom.
solid,	dms.	lb.	.24¼ Nom.
Oleo, 1[3]	bbls.	lb.	.13¼- —
2,	bbls.	lb.	.13 - —
Olibanum,	bots.	lb.	5.00 - 5.25
Olive,[3] denat.,	dms.	gal.	4.40 - 4.50
edible, Calif.,	dms.	gal.	5.00 - 5.30
imported,	dms.	gal.	5.50 - 5.85
foots,	dms.	lb.	.19¼- .20
sulphonated, 50% (40% fat),	dms., c.l.	lb.	No prices
	l.c.l.	lb.	No prices
75% (63% fat),	dms., c.l.	lb.	No prices
	l.c.l.	lb.	No prices
80% (68% fat),	dms., c.l.	lb.	No prices
	l.c.l.	lb.	No prices
Orange, sweet, dist.,	cs.	lb.	1.70 - —
expressed, Calif.,	cns.	lb.	3.25 - —
Argentine, 10-kilo	cns.	lb.	3.00 - 3.25
Brazilian,	cns.	lb.	2.50 - 2.60
Florida,	cns.	lb.	2.85 - 2.90
Messina, USP,	coppers	lb.	8.00 Nom.
West Indies,	cns.	lb.	6.00 - 6.25
terpeneless		lb.	35.00 -175.00
Origanum,	cs.	lb.	2.85 - 2.90
Palm,[4] Niger,	dms.	lb.	.0902 Nom.
Palmarosa,	cns.	lb.	5.25 - 5.50
Paraffin,[1] 320° flash, 60-70 vis.,	tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis.,	tanks, G. 3.	gal.	.05½- —
80-85 vis.,	bbls., extra, Ind. refy.	gal.	.12 - —
100-105 vis.,	bbls., extra, Ind., refy.	gal.	.14 - —
300[1] flash, 100-110 vis.,	tanks, G. 3.	gal.	.05¾- —
Patchouli,	cns.	lb.	9.25 - 9.50
Peanut,[3] crude,	tanks, mill.	lb.	.13 Nom.
refd.,	edible, bbls.	lb.	.17 Nom.
Pennyroyal, dom.,	cns.	lb.	No stocks
import,	cns.	lb.	2.75 - 3.00
Peppermint, natural,	cns., dms.,	lb.	5.40 - 5.65
redist., USP,	cns. dms.	lb.	5.90 - 6.15
Perilla,[3]	dms.	lb.	.2460- —
	tanks	lb.	.2380- —
Petitgrain, Paraguay,	cns.	lb.	1.85 - 1.90
	dms.	lb.	1.80 - 1.85
Pimento berry,	cns.	lb.	6.75 - 7.50
leaf,	cns.	lb.	4.00 - 4.25
Pine, dest., dist., straw-color,	dms., divd., E. ports.	gal.	.74 - —
steam-dist.,	dms.	gal.	1.20 Nom.
Pineneedle, Siberian,	cns.	lb.	3.00 - 3.25
Putty,[3] bbls., E. Segundo, Richmond, Cal.		gal.	.22½- —
contracts		gal.	.19½- —
Whiting, Ind.		gal.	.28 - —
dms., c.l., Boston, Providence.		gal.	.25 - —
l.c.l., same basis		gal.	.27 - —
tanks, same basis		gal.	.18 - —
Martinez, Cal.		gal.	.28 - —
Rapeseed,[3] tax incl.,	dms.	lb.	.15½ Nom.
tax not incl.,	tanks.	lb.	.10 Nom.
blown,	dms.	lb.	.18 - .18½
Red,[3] dms.,	divd.	lb.	.1330-.1430
	tanks, divd.	lb.	.1245- —
Rose, synth.,	bots.	lb.	4.00 -60.00
natural,	coppers	oz.	25.00 -30.00
Rosemary, Spanish,	cns.	lb.	2.25 - 2.30
	dms	lb.	2.10 - 2.15
Rosin, 1st rectified,	dms.	gal.	.51 - —
2d rectified,	dms.	gal.	.53 - —
3d rectified,	dms.	gal.	.57 - —
Rue,	bots.	lb.	No stocks.
Sage,	cns.	lb.	No stocks
Sandalwood, domestic, distilled,	UP, cns.	lb.	6.90 - 7.00
Mysore,	cns., case lots	lb.	7.00 - 7.25

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is the TOMORROW
you worried about YESTERDAY

Our government expects all of us to keep business humming TODAY.

Worrying now about supplies one or two years hence not only hampers our present day thinking and efforts but creates a vicious circle of doubt and discouragement.

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For Rose Odors
Butyl Phenyl Acetate
Excellent in Rose Odors and Floral Odors generally.
Has fruity, floral characteristics and is very stable.
Economical to use and there is still an ample supply.

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GENERAL DRUG COMPANY
644 Pacific St. Brooklyn, N. Y.
9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, sardine, crude, fut., tanks, Pac. Cst.	gal.	.66½ Nom.	
ref'd, alkali, ret. dms.	lb.	.1240-	.1280
kettle-boiled, ret. dms.	lb.	.1340-	.1380
light-pressed, ret. dms.	lb.	.1140-	.1180
tanks	lb.	.1060-	.1080
Sassafras, artif., cns.	lb.	No prices	
natural, dom., cns., dms.	lb.	1.75 -	1.80
Savin, cns.	lb.	22.00 Nom.	
Savory, cns.	lb.	No stocks	
Shark[5] liver, crude, dms., million vitamin units.		No prices	
Shingle stains, bbls., c.l., works.	gal.	.19 -	—
l.c.l., works	gal.	.20 -	—
tanks, works	gal.	.14 -	—
Snakeroot, Canada, cns.	lb.	8.50 -	10.00
Soybean, dom., crude, dms.	lb.	.13 Nom.	
tanks	lb.	.12½ Nom.	
refd., dms.	lb.	.14¼ Nom.	
tanks	lb.	.13½ Nom.	
Spearmint, dms.	lb.	3.10 -	3.25
Sperm,[3] bleach, 38°, dms.	lb.	.1301-	—
45°, dms.	lb.	.1278-	—
natural, dms.	lb.	.1225-	—
Spruce, cns., dms.	lb.	1.50 -	1.65
Sweet, birch, North, cns.	lb.	3.00 -	4.00
South, cns.	lb.	2.25 -	2.50
Tall, crude, dms., c.l., works.	ton.	55.00 -	—
l.c.l., works	ton.	60.00 -	65.00
tanks, works	ton.	40.00 -	—
refined, dms., c.l., works	lb.	.05 -	—
l.c.l., works	lb.	.05½-	—
tanks, works	lb.	.04½-	—
Tallow,[5] acidless, bbls.	lb.	.14¼-	—
tanks	lb.	.13¾-	—
Oil, tansy, cns.	lb.	4.00 -	4.10
Tar, pine, com'l, dms., c.l., dlvd. E. cities.	gal.	.33 -	—
E. ports, c.l.	gal.	.33 -	—
l.c.l., E. cities	gal.	.36 -	—
tanks, dlvd. E. cities.	gal.	.24½-	—
rectified, USP, bbls., l.c.l., dlvd. E. cities.	gal.	.60 -	—
Tar acid (see T).			
Teaseed,[5] crude, dms.	lb.	No prices	
refined, dms.	lb.	No prices	
Tea tree (see Oil, Ti tree).			
Thyme, NF, red, cns.	lb.	2.10 -	2.25
white, cns.	lb.	2.50 -	2.75
Tung (see Oil, Chinawood).			
Ti Tree, cns.	lb.	2.50 -	2.65
Turkey, red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	8.50 -	—
Vetiver, Java, bots.	lb.	52.00 -	55.00
Whale, ref., natural, dms.	lb.	.1070-	—
winter, bleach, dms.	lb.	.1110-	—
Wheat germ, dms., cont., dlvd., 100 gal.	gal.	10.00 -	—
dms., 50 gal.	gal.	11.50 -	—
dms., 25 gal.	gal.	12.50 -	—
dms., 10 gal.	gal.	13.50 -	—
dms., 5 gal.	gal.	14.00 -	—
cns., 1 gal.	gal.	15.00 -	—
White, mineral, dom., f.o.b. N. Y., tech., 50/60 vis., returnable dms., c.l.	gal.	.39 -	.41
l.c.l.	gal.	.48 -	.49
65/75 vis., c.l.	gal.	.40 -	.42
l.c.l.	gal.	.49 -	.50
75/85 vis., c.l.	gal.	.41 -	—
Oil, white, mineral, dom., f.o.b. N. Y., tech., 80/90 vis., c.l.	gal.	.43 -	—
l.c.l.	gal.	.52 -	—
95/105 vis., c.l.	gal.	.43 -	—
l.c.l.	gal.	.52 -	—
USP, 80/90 vis., c.l.	gal.	.45 -	—
l.c.l.	gal.	.54 -	—
85/95 vis., c.l.	gal.	.43 -	—
l.c.l.	gal.	.52 -	.54
95/105 vis., c.l.	gal.	.48½-	.50½
l.c.l.	gal.	.57½-	.59½
125/135 vis., c.l.	gal.	.54 -	.56
l.c.l.	gal.	.63 -	—
140/150 vis., c.l.	gal.	.58 -	—
l.c.l.	gal.	.69 -	—
145/155 vis., c.l.	gal.	.56 -	—
l.c.l.	gal.	.65 -	—
175/185 vis., c.l.	gal.	.61½-	—
l.c.l.	gal.	.70½-	—
180/190 vis., c.l.	gal.	.59½-	—
l.c.l.	gal.	.68½-	—
200/210 vis., c.l.	gal.	.64½-	—
l.c.l.	gal.	.73½-	—
205/215 vis., c.l.	gal.	.64 -	—
l.c.l.	gal.	.73 -	—
310/320 vis., c.l.	gal.	.72 -	—
l.c.l.	gal.	.81 -	—
320/330 vis., c.l.	gal.	.72 -	.73
l.c.l.	gal.	.81 -	.82
335/345 vis., c.l.	gal.	.73 -	—
l.c.l.	gal.	.82 -	—
340/350 vis., c.l.	gal.	.74 -	—
l.c.l.	gal.	.83 -	—
f.o.b. San Francisco, USP, 55 vis., returnable bbls., c.l.	gal.	.40 -	—
5 bbls.	gal.	.45 -	—
85 vis., c.l.	gal.	.40 -	—
5 bbls.	gal.	.45 -	—
100 vis., c.l.	gal.	.49½-	—
5 bbls.	gal.	.54½-	—
145 vis., c.l.	gal.	.57 -	—
5 bbls.	gal.	.62 -	—
180 vis., c.l.	gal.	.60½-	—
5 bbls.	gal.	.65½-	—
340 vis., c.l.	gal.	.72 -	—
5 bbls.	gal.	.77 -	—
Russian	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	4.75 -	6.00
South, cns.	lb.	3.50 -	3.85
synth (see Methyl salicylate).			
Wood (see Oil, Chinawood).			
Wormseed, cns.	lb.	2.85 -	3.25
Wormwood, cns.	lb.	4.75 -	5.00
Ylang-ylang, Bourb., bots., cns.	lb.	No stocks	
Manila, bots.	lb.	No stocks	
Olivine, aggregate, c.l., mines,	ton.	7.00	-11.00
Lumps, same basis	ton.	7.00 -	—
Spalls, same basis	ton.	5.00 -	—
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 -	—
paper bags, c.l., wks.	ton.	9.50 -	—
325 mesh, c.l., mines	ton.	20.00 -	—
200 mesh, c.l., mines	ton.	17.00 -	—
100 mesh, c.l., mines	ton.	15.00 -	—
20 mesh to dust	ton.	12.00 -	—
Opium gum, USP, 50-lb. lots, cns.	lb.	13.00 -	—
25-lb. lots, cns.	lb.	13.25 -	—
5-lb. lots, cns.	lb.	13.50 -	—
1-lb. lots, cns.	lb.	13.65 -	—
Prices on powd. and gran. USP opium are $1.50 per pound higher.			
Orange, Lake, Persian, bbls.	lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼-	—
Orange, mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash.	lb.	12¾-	—
Colo., Mont., N. M., Wyo.	lb.	.12½-	—
other points	lb.	.12 -	—
smaller lots, dlvd., Ala., etc.	lb.	.12¾-	—
Ariz., etc.	lb.	.13¼-	—
Colo., Mont., N. M., Wyo.	lb.	.13 -	—
Other points	lb.	.12½-	—
French, Tours, casks, ex dock,	lb.	No prices	
kgs., ex dock	lb.	No prices	
Molybdate, bbls.	lb.	.3135-	—
Toner, bbls.	lb.	.80 -	1.05
Orangeflower petals, cs.	lb.	.65 -	.70
Orange peel, bitter, bbls.	lb.	.30 -	.31
sweet, bls.	lb.	.15 -	.17
Haitian, bgs.	lb.	.09 -	.10
Orris root, whole	lb.	1.50 -	2.00
powd., bbls., bxs.	lb.	1.95 -	2.10
Orthoamylphenol, l.c.l., dms., works.	lb.	.25 -	—
Orthoanisidin, bbls.	lb.	.70 -	—
Orthochloraniiin, dms.	lb.	.60 -	.70
Orthochlorophenol dms.	lb.	.32 -	—
Orthocresol,[7] 30.4°C. Min. M. P., dms., c.l., wks.	lb.	.17½-	.18
l.c.l., same basis	lb.	.18 -	.18½
29° Min. M. P., dms., c.l., wks.	lb.	.16½-	.17
l.c.l., same basis	lb.	.17 -	.17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 -	.07½
l.c.l., same basis	lb.	.07 -	.08½
100-lb. tins, same basis	lb.	.08 -	.09
50-lb. tins, same basis	lb.	.09 -	.10
tanks, same basis	lb.	.05½-	.06½
Orthodichlorobenezene prices west of Rockies, 1c. per lb. higher.			
Orthonitroanilin, dms.	lb.	.45 -	—
Orthonitrochlorobenzene, dms.	lb.	.15 -	.16
Orthonitroparachlorophenol,cns.	lb.	.75 -	—
Orthonitrotoluene, dms.	lb.	.09 -	—
Orthophenetidin, dms.	lb.	.82 -	—
Orthotoluidin, dms.	lb.	.19 -	—
Osage orange, crystals, bgs.	lb.	.23 -	—
extract, bbls., No. 1	lb.	.11 -	—
No. 2	lb.	.10 -	—
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 -	—
bots., cns., 1-50 lbs.	lb.	3.75 -	4.15

P

Papain, powd., cs.	lb.	4.75 -	5.00
Paprika, Algerian, bgs.	lb.	.35	Nom.
Portuguese, extra fancy, bgs.	lb.	.47 -	.48
good, bgs.	lb.	.46 -	.47
Spanish, extra fancy, cs.	lb.	.52 -	.53
medium, cs.	lb.	.51 -	.52
Parachlorophenol, dms.	lb.	.32 -	—
Paracymene, refd., dms.	gal.	.75 -	1.25
Paradichlorobenzene, dms, c.l.	lb.	.11 -	.13
l.c.l.	lb.	.12½-	.15
Paraffin,[1] crude scale and semi-refined, 122-124 A.M.P., slack bbls. or 100-kilo bgs., 10,000 lbs., f.o.b. refinery.	lb.	.04¼-	—
124-126 A.M.P., same basis.	lb.	.04¼-	—
126-128 A.M.P., same basis.	lb.	.04½-	—
128-130 A.M.P., same basis.	lb.	.04¾-	—
130-132 A.M.P., same basis.	lb.	.05 -	—
132-134 A.M.P., same basis.	lb.	.05¼-	—
134-136 A.M.P., same basis.	lb.	.05½-	—
fully refined, 120-122 A.M.P., bbls., slabs, loose, same basis.	lb.	.05 -	—
123-125 A.M.P., slabs, loose, same basis.	lb.	.0520-	—
125-127 A.M.P., slabs, loose, same basis.	lb.	.0520-	—
128-130 A.M.P., slabs, loose, same basis.	lb.	.0560-	—
130-132 A.M.P., slabs, loose, same basis.	lb.	.0585-	—
131-133 A.M.P., slabs, loose, same basis.	lb.	.0585-	—
133-135 A.M.P., slabs, loose, same basis.	lb.	.0615-	—
135-137 A.M.P., slabs, loose, same basis.	lb.	.0640-	—
138-140 A.M.P., slabs, loose, same basis.	lb.	.0715-	—
141-143 A.M.P., slabs, loose, same basis.	lb.	.0765-	—
143-145 A.M.P., slabs, loose, same basis.	lb.	.0810-	—
145-150, slabs, cartons, same basis.	lb.	.0860-	—
146-148 A.M.P., slabs, loose, same basis.	lb.	.0930-	—
149-151 A.M.P., slabs, loose, same basis.	lb.	.10½-	—

Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., 1c 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.

Paraformaldehyde,[3,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23 -	—
100 to 900 lbs., shipments, same basis.	lb.	.24 -	—
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works.	lb.	.12 -	—
5 and 10-gal. dms., works.	lb.	.15 -	—
USP, cns., cbys.	lb.	.37 -	.43
Paranitrophenol, kgs.	lb.	.35 -	—
Paranisidine, dms.	lb.	.75 -	—
Paranitroanilin, kgs., works.	lb.	.45 -	—
Paranitrochlorobenzene, kgs.	lb.	.15 -	—
Paranitrotoluene, kgs.	lb.	.80 -	—
Paraphenylenediamine, bbls.	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls.	lb.	.48 -	—
Pareira brava root, bls.	lb.	.21 -	.22
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld.	lb.	.24 -	.26
l.c.l., same basis	lb.	.25 -	.27
Passion flower, herb, bls.	lb.	.07 -	.08
Patchouli leaves, bls.	lb.	.30 -	.31
Pectin, 200-lb. bbls.	lb.	.80 -	—
Pettitory root, bls.	lb.	.65 -	.70
Pennyroyal leaves, bls.	lb.	.15 -	.16
Pentachlorophenol, dms., works..	lb.	.20 -	.25
Pentaerythritol, C.P., bbls., dlvd.	lb.	.75 -	—
less than barrel lots	lb.	1.00 -	—
tech., bbls., dlvd.	lb.	.33½-	.35½
less than barrel lots	lb.	.40 -	—
Tetra acetate, bbls., dlvd.	lb.	1.00 -	—
less than barrel lot	lb.	1.50 -	—
Pentanes,[1] 28°-38° C., industrial grade, dms., c.l., G.3.	gal.	.11 -	—
l.c.l., G.3.	gal.	.19 -	—
tanks, G.3.	gal.	.08½-	—
laboratory grade, dms., c.l., G.3.	gal.	.16 -	—
l.c.l., G.3.	gal.	.29 -	—
10 gal., G.3.	gal.	.55 -	—
Pepper, black,[1] 15 tons, bgs.	lb.	.06½-	.06¾
50 to 100 bgs.	lb.	.0683-	.0700
White,[1] 15 tons, bgs.	lb.	.11½	Nom.
50 to 100 bgs.	lb.	.1207-	.1220
Red, chillies, Japan, Hontaka.	lb.	.45 -	.46
Mombassa, bgs.	lb.	.34 -	.35
Sierre Leone, bgs.	lb.	.23½-	.24
Peppermint leaves, dom., bls.	lb.	.70 -	.75
import, bls.	lb.	1.00 -	1.10
Perchlorethylene,[3] dms., c.l., wrnks, frt. alld., zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—

All prices on perchloroethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City.; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	1.45 -	1.50
Perchloroethylene, Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
Petrolatum, tech., green, dark, c.l.	lb.	.03¼-	—
l.c.l.	lb.	.04¼-	—
red, veterinary, c.l.	lb.	.03¾-	.03½
l.c.l.	lb.	.04¼-	.04¾
USP, amber, c.l.	lb.	.03½-	.03¾
l.c.l.	lb.	.04½-	.04¾
amber, extra, c.l.	lb.	.03¾-	.03¾
l.c.l.	lb.	.04¾-	.04¾
blonde, c.l.	lb.	.04¼-	.04¾
l.c.l.	lb.	.05¼-	.05¾
white, cream, c.l.	lb.	.05 -	.05¼
l.c.l.	lb.	.06¼-	.06½
lily, c.l.	lb.	.05¾-	.05¾
l.c.l.	lb.	.07¼-	.07½
snow, c.l.	lb.	.06½-	.06¾
l.c.l.	lb.	.08 -	.08½
soft, c.l.	lb.	.05¾-	.05¾
l.c.l.	lb.	.06¾-	.07½
super, c.l.	lb.	.09¾-	—
l.c.l.	lb.	.11½-	—
yellow, soft, c.l.	lb.	.03½-	.03¾
l.c.l.	lb.	.04½-	.04¾

Petrolatum prices are f.o.b. N.Y. for material packed in returnable drums.

Petroleum, crude,[1] bulk, at wells—			
Arkansas, Smackover, heavy	bbl.	.83 -	—
California, gravity 18-18.9 and below	bbl.	.80 -	—
30-30.9 and above	bbl.	1.23 -	—
Illinois basin	bbl.	1.37 -	—
Louisiana, Tepetate	bbl.	1.18 -	—
Oklahoma-Kansas, gravity 20-20.9 and below	bbl.	.85 -	—
40 and above	bbl.	1.25 -	—
Pennsylvania, Bradford-Allegany	bbl.	3.00 -	—
Buckeye lines	bbl.	2.55 -	—
Corning	bbl.	1.31 -	—
N.Y. Transit lines	bbl.	3.00 -	—
Eureka lines	bbl.	2.59 -	—
S.W. Penn Lines	bbl.	2.65 -	—
Lower district in National Transit lines	bbl.	2.88 -	2.93
Texas, Conroe	bbl.	1.43 -	—
East	bbl.	1.25 -	—
Gulf Coast, gravity 19-19.9 and below	bbl.	1.06 -	—
40 and above	bbl.	1.48 -	—
Pecos County	bbl.	.95 -	—
West (and Lea County, N.M.), gravity 19-19.9 and below	bbl.	.70 -	—
40 and above	bbl.	1.12 -	—
Wyoming, Lance Creek	bbl.	1.12 -	—
Ether, laboratory grade, 30-60°C., c.l.	lb.	.18 -	—
l.c.l.	gal.	.29 -	—
10 gals.	gal.	.55 -	—
35-60°C., l.c.l.	gal.	.29 -	—
10 gals.	gal.	.55 -	—
40-75°C., c.l.	gal.	.16 -	—
l.c.l.	gal.	.29 -	—
10 gals.	gal.	.55 -	—

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums.

Lacquer diluent, at refinery—			
California, 100 l.b.h., 200 e.p., tankes, dlvd., Los Angeles	gal.	.11 -	—
Fort Welles, Wash.	gal.	.12 -	—
San Francisco	gal.	.11½-	—
Willbridge, Ore.	gal.	.12 -	—
Ether, East Coast, N.Y., tanks,	gal.	.11 -	—
N. J., tanks	gal.	.11 -	—
Group 3, benzol type, tanks.	gal.	.07⅞-	.08⅝
toluol type, tanks.	gal.	.07⅞-	.08⅛
Petroleum, mineral spirits, at refinery, California (f.o.b. San Francisco), 166-202 b.r., tanks.	gal.	.10½-	—
198-290 b.r., tanks	gal.	.10¼-	—
246-397 b.r., tanks	gal.	.10½-	—
312-408 b.r., tanks	gal.	.09 -	—
362-458 b.r., tanks	gal.	.09 -	—
East Coast, N. Y., tanks.	gal.	.09½-	—
N. J., tanks	gal.	.09½-	—
Group 3, tanks	gal.	.06½-	—
Gulf Coast, tanks	gal.	.06½-	—
tankwagon, Baltimore, 25-100 gals.	gal.	.13 -	—
100 gals. or more	gal.	.12 -	—
Boston	gal.	.12 -	—
Bridgeport, Conn.	gal.	.1630-	—
Buffalo	gal.	.1240-	—
Camden, N. J.	gal.	.11 -	—
Chicago	gal.	.13½-	—
Detroit	gal.	.1580-	—
Hartford	gal.	.1630-	—
Kansas City, Mo.	gal.	.1480-	—
Lancaster, Pa.	gal.	.12 -	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark (200 gal.)	gal.	.11 -	—
New York (200 gal.)	gal.	.11 -	—
Philadelphia	gal.	.11 -	—
Pittsburgh	gal.	.12½-	—
Providence	gal.	.13 -	—
Rochester	gal.	.1320-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14 -	—
Washington, D. C.	gal.	.13 -	—
Wilmington, Del.	gal.	.13 -	—

Oil, Sardine—Pleurisy Root

Petroleum, naphtha, cleaners, at refinery:—			
California (f.o.b. San Francisco), tanks.	gal.	.12 -	—
East Coast, N. Y., tanks.	gal.	.10½-	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.07⅛-	—
Gulf Coast (f.o.b. New Orleans), tanks.	gal.	.06⅝-	—
tankwagon, Boston	gal.	.13 -	—
Bridgeport	gal.	.1730-	—
Chicago	gal.	.1380-	—
Detroit	gal.	.15 -	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark	gal.	.12 -	—
New York	gal.	.12 -	—
Philadelphia	gal.	.12½-	—
St. Louis	gal.	.1470-	—
high-solvency, aromatic, N. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.21½-	—
2, over 90% arom., same basis.	gal.	.21½-	—
3, same basis	gal.	.22½-	—
8, tanks, f.o.b. Wilmington, Cal.	gal.	.14 -	—
30, same basis	gal.	.13½-	—
40, same basis	gal.	.13½-	—
V.M.&P., at refinery:—			
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Richmond	gal.	.11½-	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 -	—
Petroleum, naphtha, V.M.&P., at refinery, Calif., 54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles	gal.	.10 -	—
San Francisco	gal.	.10½-	—
Portland, Seattle	gal.	.11 -	—
East Coast, N. Y., tanks.	gal.	.10½-	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.07⅛-	—
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½-	—
tankwagon, Boston	gal.	.13 -	—
Chicago	gal.	.1380-	—
Detroit	gal.	.15 -	—
Milwaukee	gal.	.1540-	—
Minneapolis	gal.	.1520-	—
Newark (200 gal.)	gal.	.12 -	—
New York	gal.	.12 -	—
Philadelphia	gal.	.12½-	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	.1470-	—
Solvent, rubber, at refinery, California (f.o.b. San Francisco)	gal.	.24 -	—
East Coast, N. Y., tanks.	gal.	.10½-	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.07½-	—
Stoddard (CS 8-33), at refinery:—			
California (f.o.b. San Francisco), tanks.	gal.	.11 -	—
East Coast, N. Y., tanks.	gal.	.09½-	—
N. J., tanks	gal.	.09½-	—
Group 3, tanks	gal.	.06⅝-	—
Petroleum, naphtha, V.M.&P., tankwagon, Baltimore	gal.	.13 -	—
Boston	gal.	.12 -	—
Chicago	gal.	.13½-	—
Detroit	gal.	.1580-	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark	gal.	.11 -	—
New York	gal.	.11 -	—
Philadelphia	gal.	.11 -	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14 -	—
Phenobarbital, 5-lb. tins.	lb.	4.20 -	—
bots. or cns., 100 lbs., spot or contract.	lb.	4.00 -	—
Phenol,[6] USP, dms., c.l., works, frt. equald.	lb.	.12½-	—
l.c.l., same basis	lb.	.13¼-	—
under 1,000 lbs.	lb.	.14¼-	—
tanks, works	lb.	.11½-	—
Phenolphthalein, USP, bbls.,dms., 2,000-lb. lots.	lb.	.85 -	—
bbls., dms., kgs., 100-250 lbs.	lb.	.87 -	.89
yellow, fib. dms., 2,000-lb. lots.	lb.	.80 -	—
100-lb. fib. dms.	lb.	.82 -	—
25-lb. dms.	lb.	.87 -	—
50-lb. kgs.	lb.	.84 -	—
Phenyl chloride, dms.	lb.	.17 -	—
Phenylacetaldehyde, bots.	lb.	5.00 -	6.00
dimethylacetate, cns.	lb.	14.50 -	15.00
Phenyl ethyl acetate, cns.	lb.	5.00 -	5.25
Phenylethylphenyl acetate, bots..	lb.	8.00 -	15.00
Phenylhydrazine, base, CP, bots.	lb.	4.55 -	—
hydrochloride, CP, bots., works.	lb.	7.10 -	—
commercial, kgs., works.	lb.	1.75 -	—
Phloroglucinol, CP, tins, wks.	lb.	20.00 -	22.00
tech., tins, works	lb.	15.00 -	16.50
Phosphate rock, Fla., high-grade, hard, 77%-76%	long ton.	5.00 -	—
land pebble, 68%-66%	long ton.	2.20 -	—
70%-68%	long ton.	2.70 -	—
72%-70%	long ton.	3.20 -	—
75%-74%	long ton.	4.00 -	—
Tenn., 68%-66%	long ton.	4.50 -	—
70% min.	long ton.	5.00 -	—
72% min.	long ton.	5.50 -	—
75%-74%	long ton.	6.50 -	—
Phosphate rock prices are for shipment in bulk, f.o.b. mines.			
Phosphorus, red, cs.	lb.	.40 -	.44
yellow, dms.	lb.	.18 -	.20
cases	lb.	.23 -	.25
Oxychloride,[5] cyls.	lb.	.15 -	.18
Pentoxide, dms., c.l., works.	lb.	.11 -	.12
l.c.l., dms., works.	lb.	.13 -	.14
Sesquisulphide, cs.	lb.	.38 -	.42
Trichloride, cyls.	lb.	.15 -	.16
Phthalamide, bbls., wks., ton.	lb.	.35 -	—
single, bbls., works.	lb.	.40 -	—
kgs., works.	lb.	.45 -	.50
Phthalic anhydride,[6] bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½-	—
l.c.l., same basis	lb.	.15½-	—
Pichi leaves, bgs.	lb.	.08 -	.09
Pilocarpine hydrochloride, bots., vls.	oz.	4.00 -	5.25
Nitrate, bots., vls.	oz.	3.65 -	5.50
Pimento, Jamaica, bgs.	lb.	.38 -	.39
afloat, bgs.	lb.	.35 -	.36
Mexican (see Allspice, Mexican).			
Pinkroot, bls.	lb.	.60 -	.65
Pitch, burgundy (see B).			
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 -	—
l.c.l.	ton.	22.00 -	—
hardwood, 1-time dms., c.l., dlvd. Akron.	ton.	23.75 -	24.00
Linseed, dms.	lb.	.95 -	.06½
Petroleum (see Asphaltum, Mexican, Texas).			
Pitch, pine, bbls.	bbl.	6.75 -	7.00
Plaster of paris (see Gypsum).			
Pleurisy root, Southern, bls.	lb.	.12 -	.13

Podophyllin—Soda Arsenate

Podophyllin, dms., dlvd. E. of Miss..lb. 8.75 - 9.00
Poke root, bls.....lb. .10 - .11
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .70 - .75
Root bark, bgs.....lb. No stocks
Poppy flowers, red, bls.....lb. .70 - .85
Seed, Dutch, bgs.....lb. .65 - .67
Indian, white, bgs.....lb. .10¾- .11¼
Turkish, bgs.....lb. .55 - .56
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .34
Arsenite, USP, solut., 100-lb. lots, cbys., demjs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., kgs., 300 lbs..lb. .19 - .21
gran., bbls., kgs., 250 lbs.lb. .19 - .21
Bichromate,[2,6] spots, c.l., works, lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran, bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., l.c.l., works.....lb. .07½- —
c.l., works..lb. .07 - —
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chlorate,[6] cryst., kgs.....lb. .11 Nom.
powd., kgs.....lb. .09¾- .10
Chloride, tech., 96%, cryst., bgs., kgs..lb. .08 Nom.
Chromate,[2,6] bgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
25-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - 1.52
100-lb. lots.....lb. 1.60 - 1.62
50-lb. lots, cbys. or cns..lb. 1.65 - 1.67
25-lb. lots, cns.....lb. 1.75 - 1.77
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Potash, hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 8.45 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., run-of-mine grade, bulk or ex vessel, ports..unit-ton. .60 - —
f.o.b. Carlsbad, N. M..... unit-ton. .20 - .21
import, 30% K_2O, bulk, ex vessel, Atlantic or Gulf ports—ton. No prices
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports... unit-ton. .56 - .59
60% K_2O, same basis.... unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports.....unit-ton. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.

Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate,[6] kgs., works....lb. .09½- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports..ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports...ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .35 - .65
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .42
Potash-titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .11½- .12
Berries, bgs.....lb. .30 - .31
Prince's pine herb, bls.....lb. .28 - .29
Procaine, hydrochloride, 25-lb. cns. lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane,[1] industrial grade, tanks, Group 3..gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla bls.....lb. 1.10 Nom.
Pumice, dom., grd., fine, 4F, 3F, 2F, F, O. bgs., f.o.b. Chicago, 2,000 lbs. and up. lb. .04 - —
600-1,999 lbs.....lb. .04¼- —
100-599 lbs.....lb. .04¾- —
f.o.b. New York, 2,000 lbs. and up..lb. .03¾- —
500-1,999 lbs.....lb. .03¾- —
100- 499 lbs.....lb. .04 - —
Pumice, dom., grd., coarse, O½, ½, 1, 1½, 2, 3, bgs., f.o.b. Chicago, 2,000 lbs. and up..lb. .04¼- —
600-1,999 lbs.....lb. .04½- —
100- 599 lbs.....lb. .05 - —
f.o.b. New York, 2,000 lbs., and up..lb. .03¾- —
500-1,999 lbs.....lb. .03½- —
100- 499 lbs.....lb. .04¼- —
imp., Italian.....lb. No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .12 - .18
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd. gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 8.53 - —
Pyrethrum flowers, coarse, grnd., (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb. .27 - .28
fine powd., 0.9% pyrethrins, frt. alld., bbls..lb. .28 - .29
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .46 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 10.00 - —
325 mesh, same basis.....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china, white, ivory, cs., works. lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works. lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works. lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, dom., bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05¾- —
tanks, works.....lb. .05¼- —
solid, 62%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10½- —
l.c.l., bgs.....lb. .11 - —
Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .06 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1,4] dom., flasks (76 lbs. net), f.o.b., shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask. 191.00 - —
f.o.b., shipm't point in Tex., and Ark..flask. 193.00 - —
Quince seed, bgs.....lb. 1.70 - 2.15
Quinidine,[3] NFV, cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 13½c. per oz; see note under Quinine.

Quinine,[3] 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .86 - —
Dihydrochloride, bots.....oz. .86 - —
Ethylcarbonate, cns.....oz. 1.23 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochloroiodosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —

Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[3] cns., oz. .81 - —

Subject to surcharge of 13½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, large bgs., lb. .11½- .12
Raspberries, dried, bls.....lb. .85 - .90
Red,[2] alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
400-2,000 lbs., bbls.....lb. 1.00 - —
100-300 lbs., pkgs.....lb. 1.05 - —
light shade, bbls., ton lots.lb. .80 - —
400-2,000 lbs., bbls.....lb. .85 - —
100-300 lbs., pkgs.....lb. .90 - —
Red, cadmium, lithopone light-medium shade, bbls., ton lots. lb. .85 - —
400-2,000 lbs., bbls.....lb. .90 - —
100-300 lbs., pkgs.....lb. .95 - —
maroon shade, bbls., ton lots..lb. 1.05 - —
400-2,000 lbs., bbls.....lb. 1.10 - —
100-300 lbs., pkgs.....lb. 1.15 - —
deep, bbls., ton lots....lb. 1.15 - —
400-2,000 lbs., bbls.....lb. 1.20 - —
100-300 lbs., pkgs.....lb. 1.25 - —
medium shade, bbls., ton lots..lb. .90 - —
400-2,000 lbs., bbls.....lb. .95 - —
100-300 lbs., pkgs.....lb. 1.00 - —

Red, cadmium, lithopone quotations are f.o.b. Balto. or whse. points, charges prepaid or allowed E. of Rockies.

Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin, lake, contracts..lb. .40 - —
Mercury oxide,[2] tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa. works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., c.l., lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .35 - —
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- —
l.c.l. .....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04¼- —
l.c.l. .....lb. .04¾- —
Red, toluidin toner, kgs., same basis arizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., f.o.b. N.Y..lb. .25 - .40
quicksilver, bbls.....lb. 3.05 - 3.15
Red dyes are listed under Dyes.
Red, precipitate,[2] NF, powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls., lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, morks..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .09 - .10
Rhubarb, whole, cs.....lb. 1.28 - 1.35
powd., bbls.....lb. 1.35 - 1.50
Riboflavin .....gram. 1.05 - 1.15
Rice bran, concentrate, 573-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option..lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .55 - .60
red, bls.....lb. 5.45 - 5.50
Rosemary flowers, bls.....lb. 1.65 - 1.70
leaves, Portuguese, bls.....lb. .18 - .19
Spanish, bls.....lb. .21 - .22
Rosin, gum, B, bbls., ex dock....
D, bbls.....100 lbs. 3.00 - —
B, bbls.....100 lbs. 3.25 - —
E, bbls.....100 lbs. 3.35 - —
F, bbls.....100 lbs. 3.43 - —
G, bbls.....100 lbs. 3.48 - —
H, bbls.....100 lbs. 3.49 - —
I, bbls.....100 lbs. 3.50 - —
K, bbls.....100 lbs. 3.56 - —
M, bbls.....100 lbs. 3.68 - —
N, bbls.....100 lbs. 3.75 - —
W. G., bbls.....100 lbs. 3.95 - —
W. W., bbls.....100 lbs. 4.00 - —
X, bbls.....100 lbs. 4.00 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. 1.45 - 1.50

S

Sabadilla seed, powd., bbls....lb. .33 - .34
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - —
Scullcap, Eastern, bls.....lb. .28 - .30
Western, bls.....lb. .17 - .18
Safflower, bls.....lb. No prices
Saffron, Mexican, bls.....lb. .80 - .85
Spanish, tins.....lb. 39.00 -40.00
Safrol, cns.....lb. 2.25 - 2.45
dms.....lb. No prices
Sage, Cyprus, bls.....lb. .62 - .64
Sage, Dalmatian, bls.....lb. 2.00 - 2.05
ground, bls.....lb. 2.25 - 2.30
Greek, bls.....lb. 1.60 - 1.70
Spanish, bls.....lb. .38 - .39
Sago flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. 8.03 - —
cns., 25 lbs.....lb. 7.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt rock, bgs., dlvd. N.Y.....ton. 14.20 - —
l.c.l., bgs., dlvd. N.Y...ton. 17.00 -18.00
vacuum, common, fine, bgs., c.l., dlvd. N.Y..ton. 13.70 - —
l.c.l., dlvd. N.Y.....ton. 19.40 -23.20
Chrome (see Chrome cake).
Saltcake, dom., bulk, works..ton. 15.00 - —
import, bulk, c.i.f.....ton. 16.00 Nom.
Saltpeter, dbl. refd., gran., bbls., 10-20 tons.....100 lbs. 8.20 - —
1- 9 tons.....100 lbs. 8.35 - —
less than ton lots..100 lbs. 8.60 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.20 - —
1-9 tons.....100 lbs. 9.35 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo. 210.00 -220.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls. lb. .55 - .60
Mexican, bls.....lb. .22 - .23
Sassafras, bark, ord., bls.....lb. .20 - .21
select, bls.....lb. .35 - .36
Savory, bls.....lb. 1.00 - 1.10
Saw palmetto berries, bgs.....lb. .07 - .08
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .23 - .25
siftings, bgs.....lb. .22 - .25
Tinnevelly, No. 1, bls.....lb. .16 - .17
2, bls.....lb. .12 - .15
3 bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .14 - .15
Pods., bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .75 - .80
Shellac,[2] bleached, bonedry, bbls., f.o.b. N. Y..lb. .39 - .40
dlvd., Boston.....lb. .40 - .41
Chicago.....lb. .40¼- .41½
Pacific Coast.....lb. .42½- .43⅜
rfd., bbls., f.o.b. N. Y.....lb. .45 - .46
dlvd., Boston.....lb. .45½- .46⅛
Chicago.....lb. .46¾- .47⅜
Pacific Coast.....lb. .48¾- .49¾

To the above basic prices should be added 7c. per lb. to cover marine and war risk insurance.

Garnet, bags.....lb. .27 - .29
D.C., V.S.O., or Diamond 1, cs., lb. .39 - .40
superfine, bgs., f.o.b. Boston, N.Y..lb. .32 - .33
dlvd., Chicago.....lb. .32½- .33⅛
Pacific Coast.....lb. .35 - .36
T.N., bgs., f.o.b. Boston, N.Y. lb. .31 - .32
dlvd., Chicago.....lb. .31½- .32⅛
Pacific Coast.....lb. .34½- .35⅛

Shellac under WPB Imports Order M-63 Amendment No. 3. Add 21% to prices on all orange shellac to cover marine and war risk insurance.

Shellac, varnish, Metro. area, orange, 5-lb. cut, bbls..lb. 1.87 - —
4½-lb. cut, bbls.....gal. 1.82½- —
4-lb. cut, bbls.....gal. 1.78 - —
white, 5-lb. cut, bbls.....gal. 1.97 - —
4½-lb. cut, bbls.....gal. 1.92½- —
4-lb. cut, bbls.....gal. 1.88 - —

To the above prices should be added 20c. per gal. to cover higher costs resulting from marine and war risk insurance.

Shellac, varnish prices, dlvd., Boston or Chicago, 10c. per gal.

Silica, amorph., dry-grd., 400 mesh, c.l..ton. 17.00 - —
l.c.l., 5,000 lbs.....ton. 19.00 - —
smaller lots.....ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, c.l..ton. 19.000 - —
l.c.l., 5,000 lbs.....ton. 21.00 - —
smaller lots.....ton. 25.00 - —
400 mesh, c.l.....ton. 30.00 - —
l.c.l., 5,000 lbs.....ton. 35.00 - —
smaller lots.....ton. 38.00 - —
96-98%, 325 mesh, c.l....ton. 20.00 - —
l.c.l., 5,000 lbs.....ton. 21.50 - —
smaller lots.....ton. 23.00 - —
99%, 325 mesh, c.l.....ton. 20.00 - —
l.c.l., 5,000 lbs.....ton. 22.00 - —
smaller lots.....ton. 25.00 - —
medium-grd., 99%, 325 mesh, l.c.l., 5,000 lbs.....ton. 26.50 - —
smaller lots.....ton. 27.00 - —
hard-quartz, 99½%, 325 mesh, c.l..ton. 13.50 - —
l.c.l. .....ton. 18.50 - —
140 mesh, c.l.....ton. 11.00 - —
l.c.l. .....ton. 16.00 - —
Silica prices are for bag packing f.o.b. works.
Silver, bullion.....oz. .35½- —
Govt. purchase, dom., metal. oz. .7111- —
Govt. purchase, foreign metal. oz. .35 - —
Cyanide, cns., 100 ozs.....oz. .34 - —
Nitrate, 100-oz. bots.....oz. .26¾- —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .67 - .68
Skunk cabbage root, bls.....lb. 15 - .16
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .75 - .80
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .23 - .24
Soapbark, bls.....lb. .09 - .10
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .14 - .15
powd., bbls.....lb. .15 - .16
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .05 - —
l.c.l., dlvd.....lb. .05½- .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works.. lb. .69 - .73
Aluminate, white soluble, c.l., bgs., frt. equald....100 lbs. 7.50 - —
dms., frt. equald....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald.....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers., c.l works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾

Soda Arsenite—Soda Nitrate

Soda, arsenite, dry, gray, dms., c.l., dealers, works	lb.	.06¾-	—
l.c.l., dms., works	lb.	.07½-	.08½
white, dms., c.l., dealers, works	lb.	.07¾-	—
l.c.l., dms., works	lb.	.08½-	.09½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.			
Ash, dense, 58%, bgs., c.l., works	100 lbs.	1.15	—
l.c.l., Zone 1	100 lbs.	2.18	—
2	100 lbs.	2.33	—
3	100 lbs.	2.58	—
4	100 lbs.	2.98	—
bbls., c.l., wks	100 lbs.	1.35	—
l.c.l., Zone 1	100 lbs.	2.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l., works	100 lbs.	.93	—
extra light, 58%, bgs., c.l.	100 lbs.	1.05	- 1.13
l.c.l., Zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.93	—
bbls., c.l., works	100 lbs.	1.45	—
l.c.l., Zone 1	100 lbs.	2.45	—
2	100 lbs.	2.60	—
3	100 lbs.	2.85	—
4	100 lbs.	3.25	—
bulk, c.l.	100 lbs.	.90	—
light, 58%, bgs., c.l., works,	100 lbs.	1.05	- 1.13
l.c.l., Zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.93	—
bbls., c.l., works	100 lbs.	1.35	—
l.c.l., Zone 1	100 lbs.	2.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l.	100 lbs.	.90	—
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 92° Meridian. Zone 4: El Paso, Tex.: Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.			
Soda, benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39	—
1,000 to 3,900 lbs.	lb.	.40	—
900 lbs. or less	lb.	.43	—
USP, bbls., fib., 4,000 lbs. or more	lb.	.46	—
1,000 to 3,900 lbs.	lb.	.47	—
900 lbs. or less	lb.	.50	—
Bicarbonate, tech., bbls c.l., works	100 lbs.	1.70	—
l.c.l.	100 lbs.	2.05	—
bgs., c.l.	100 lbs.	1.55	—
l.c.l.	100 lbs.	1.90	—
USP, gran., bbls., c.l., works,	100 lbs.	2.25	—
l.c.l.	100 lbs.	2.60	—
powd., bbls., c.l., works	100 lbs.	1.85	—
l.c.l., dlvd. N.Y.	100 lbs.	2.51	—
kgs., c.l.	100 lbs.	2.10	—
l.c.l., dlvd. N.Y.	100 lbs.	2.76	—
Bichromate,[2,5] spot, c.l., works	lb.	.07⅝-	—
l.c.l., 6 cks. or 10 bbls. or over, works	lb.	.07½-	—
5 cks. or 9 bbls. or less, works	lb.	.07⅝-	—
Bifluoride, bbls., c.l.	lb.	.11	—
10-bbl. lots	lb.	.11½-	.13
1-9 bbls.	lb.	.12	—
kegs	lb.	.12½-	.14
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
solution, 32 deg., bbls., c.l., works	100 lbs.	1.30	—
l.c.l., bbls., works	100 lbs.	1.55	—
33 deg., bbls., c.l., works,	100 lbs.	1.35	—
l.c.l., bbls., works	100 lbs.	1.60	—
35 deg., c.l., works	100 lbs.	1.40	—
l.c.l., bbls., works	100 lbs.	1.65	—
solut., 44 deg., bbls., works,	100 lbs.	1.55	—
l.c.l., bbls., works	100 lbs.	1.80	—
Bromide, USP, gran., works,	500 lbs.	.27	- .31
fiber dms., 100 lbs.	lb.	.28	- .32
Cacodylate, 1, 5-lb. bots., works.	lb.	17.00	—
Carbonate (see Soda ash, soda monohydrated, soda sal).			
Soda, caustic, flake, 76%, powd., ammo. process, bbls., c.l., works	100 lbs.	2.95	—
dms., c.l., works	100 lbs.	2.70	—
l.c.l., Zone 1	100 lbs.	3.55	- 4.90
2	100 lbs.	3.70	- 5.05
3	100 lbs.	3.95	- 5.30
4	100 lbs.	4.35	- 5.70
electro process, dms., c.l., works	100 lbs.	2.70	—
l.c.l., same zinc prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works	100 lbs.	1.92½-	—
sellers' tanks, works	100 lbs.	1.95	—
70%, buyers' tanks, works,	100 lbs.	1.97½-	—
sellers' tanks, works	100 lbs.	2.00	—
solid, 76% ammon., process, dms., c.l., works	100 lbs.	2.30	—
l.c.l., Zone 1	100 lbs.	3.15	—
2	100 lbs.	3.30	—
3	100 lbs.	3.55	—
electro process, dms., c.l., works	100 lbs.	2.30	—
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.			
Chlorate, dom., cryst., bgs., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., bgs., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.07	- .08¼
Soda, chromate, [2,5] spot, c.l., works	lb.	.08¾-	—
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.09½-	—
Citrate, USP VIII, 225-lb. bbls.	lb.	.18½-	—
dms., 50-lb. lots	lb.	.20½-	—
25-lb. lots	lb.	.22½-	.23½
dms., kgs., 100-lb. lots	lb.	.19½-	—
USP XI, gran., bbls., 250-lb. lots	lb.	.24	—
boxes, 50-lb. lots	lb.	.26	—
cns., 25-lb. lots	lb.	.28	- .29
kgs., 100-lb. lots	lb.	.25	—
powd., bbls., 250-lb. lots	lb.	.24½-	—
boxes, 50-lb. lots	lb.	.26½-	—
cns., 25-lb. lots	lb.	.29½-	—
kgs., 100-lb. lots	lb.	.25½-	—
Cyanide, 96-98%, dom., dms.	lb.	.14	- .15
imports, 90%, cs.	lb.	No prices	
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09½-	.10½
anhy., dms., dlvd.	lb.	.12½-	—
Fluoride, white, 30%, bbls., c.l., frt. alld.	lb.	.08	—
l.c.l., 10 or over, same basis	lb.	.08½-	—
1-9, same basis	lb.	.09	—
95%, bbls., c.l., same basis	lb.	.08¼-	—
l.c.l., 10 or over, same basis	lb.	.08¾-	—
1-9, same basis	lb.	.09¼-	—
Soda fluoride prices at Los Angeles are f.a.s. works.			
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb.	1.25	- 1.27
100-lb. lots	lb.	1.40	- 1.42
cns., 25 lbs	lb.	1.65	- 1.67
Soda, glycerophosphate, powd., bbls., 1,000-lb. lots	lb.	1.25	- 1.27
100-lb. lots	lb.	1.40	- 1.42
cns., 25 lbs	lb.	1.72	—
solution, cbys., cns.	lb.	.82	- .88
Hydrosulphite, dms., frt. alld.,	lb.	.17	- .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots	lb.	.22	- .24
Hypophosphite, N. F., cns., 100-lb. lots	lb.	.67	—
Hyposulphite, cryst., large bgs., works, frt. equald.	100 lbs.	2.25	—
bbls., same basis	100 lbs.	2.45	—
l.c.l., bgs., works, frt. equald.	100 lbs.	2.50	—
bbls., same basis	100 lbs.	2.70	—
pea, bgs., c.l., works	100 lbs.	2.60	—
bbls., works	100 lbs.	2.80	—
dms., works	100 lbs.	3.10	—
5,000 lbs. and over, bgs., works	100 lbs.	2.75	- 3.00
bbls., works	100 lbs.	2.95	- 3.20
dms., works	100 lbs.	3.25	- 3.60
2,500 to 5,000 lbs., bgs., works,	100 lbs.	2.85	- 3.10
bbls., works	100 lbs.	3.05	- 3.30
dms., works	100 lbs.	3.35	- 3.60
500 to 2,500 dms., works,	100 lbs.	3.10	- 3.25
bbls., works	100 lbs.	3.30	- 3.55
dms., works	100 lbs.	3.60	- 3.85
pea, less than 500 lbs., bgs., works	100 lbs.	3.70	- 3.95
bbls., works	100 lbs.	3.90	- 4.15
dms., works	100 lbs.	4.20	- 4.45
Iodate, jars	lb.	5.49	—
Iodide, jars	lb.	2.42	—
bots.	lb.	2.52	- 2.57
Mandelate, 100-lb. dms	lb.	3.25	—
Soda, metanilate, bgs	lb.	.40	—
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00	—
15 dms. and over, dlvd. N.Y.	100 lbs.	4.90	—
3-14 dms., same basis	100 lbs.	5.05	—
1-2 dms., same basis	100 lbs.	5.30	—
gran., bbls., c.l., works	lb.	2.50	—
10 bbls. and over, dlvd. N.Y.	lb.	3.30	—
1-9 bbls., dlvd. N.Y.	lb.	3.55	—
Molybdate, anhyd., kgs., works,	lb.	.47	—
Monohydrated, bbls.	100 lbs.	2.60	—
works	100 lbs.	2.30	—
Naphthionate, bbls.	lb.	.50	—
Nitrate,[5] crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment	ton	30.05	—
200-lb. bgs., same basis.	ton	29.35	—
bulk, f.o.b. Hopewell, Va.	ton	27.00	—
f.o.b. other Atl. and Gulf ports	ton	28.00	—
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment	ton	33.00	—
200-lb. bgs., same basis	ton	32.40	—
bulk, same basis	ton	30.00	—
refd., gran., bbls., 10 tons.	100 lbs.	3.60	—
1-9 tons	100 lbs.	3.75	—
smaller lots	100 lbs.	4.00	—

HIGH ABOVE the tall-masted clipper ships . . . the scurrying ferries . . . and bustling harbor traffic, one of the wonders of the world was reared to span the East River and join Manhattan Island with Brooklyn Heights. Uniting as it did two important parts of the great and growing port of New York, succeeding generations have witnessed the immeasurable service rendered by the Brooklyn Bridge.

LANDMARK OF ACHIEVEMENT

NEW YORK AND BROOKLYN SUSPENSION BRIDGE, DRAWN BY CHARLES GRAHAM, REPRODUCED THROUGH COOPERATION OF THE BROOKLYN EAGLE.

The Niagara Alkali Company and the Electro Bleaching Gas Company have now embarked upon a similar union of resources and facilities to broaden and advance, by consolidating into one great enterprise, their essential services in the field of chemical supply. The quality reputation of all products...the fine traditions of management...will be maintained as heretofore, to distinguish this greater American business.

Niagara
ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
CAUSTIC POTASH · CAUSTIC SODA
PARA · CARBONATE OF POTASH
Liquid Chlorine

EBG NIAGARA ALKALI COMPANY

Soda Nitrite—Vanilla Beans

Soda, nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
West Coast, f.o.b. ports, 100 lbs. 8.00 - 8.65
l.c.l. .....100 lbs. 8.90 -11.90

Soda nitrite f.c.l. prices range represents delivery at various points.

Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.80 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis...lb. 5.60 - —
1-2 dms., same basis....lb. 5.85 - —
flake, dms., c.l., works.100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C..100 lbs. 4.30 - —
1-9 bbls., same basis.100 lbs. 4.55 - —
Oxalate, neut., bbls.....lb. .09½- —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorophenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.50 - 7.25
bbls., c.l., works....100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l., works, 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works.....100 lbs. 3.15 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works, 100 lbs. 2.70 - 2.85
l.c.l., works.....100 lbs. 3.10 - 3.60
bbls., c.l., works...100 lbs. 2.90 - 3.05
l.c.l., works.....100 lbs. 3.30 - 3.80
kegs, c.l., works...100 lbs. 3.40 - 3.55
l.c.l., works.....100 lbs. 3.80 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .12
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate,[2] anhyd., bgs., c.l., works, frt. equalized. 100 lbs. 5.28 - 6.10
5 tons and over, same basis, 100 lbs. 5.40 - 6.25
less than 5 tons, same basis, 100 lbs. 5.75 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.45 - 6.30
5 tons and over, same basis, 100 lbs. 5.60 - 6.45
less than 5 tons, same basis, 100 lbs. 5.95 - 6.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd. N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works....100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sequisilicate, dms., c.l., works, 100 lbs. 3.05 - —
10 bbls. or over, dlvd. N.Y.C. 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
tanks, wks.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
tanks, wks.....ton.25.00 - —
Silicofluoride, dom., bbls.....lb. .11½- .14½
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
NV VI, exsiccated, powd., U.S.P. cryst., gran., bbls..lb. .07 - .07½
bbls., c.l., works..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis, 100% dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. 1.35 - 1.50
Solvent, naphtha,[2] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minequa, Colo..gal. .27 - —
high-flash, dms., works...gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
Sorbitol, com'l, dms., works...lb. .17¾- —
Soybean meal, 41%, bulk.....ton.42.90 - —
protein, bgs., c.l., works.....lb. .20 - —
l.c.l., 10-20 tons, works.....lb. .20½- —
100-20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .24 - —
Sparteine sulphate, cns.....oz. 3.65 - 4.00
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .18 - .19
Spruce extract, reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .85 - .88
White, bls.....lb. .18½- .19
powd., bbls., bxs.....lb. .23 - .24
St. Ignatius beans, bgs.....lb. .44 - .45
St. John's Bread, edible, bls., lb. .19 - .20
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.47 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.57 - —
Potato, dom., bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0760- —
import, bgs.....lb. No prices
rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .1054- —
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 2.00 Nom.
Stramonium leaves, bls.....lb. .33 - .34
seed, bgs.....lb. .20 - .21
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90% precip., bbls.....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .25
Iodide, bots, 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Strontium, nitrate, dom., bbls., c.l., wks..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Strophanthus seed, Kombe, bgs.lb. 4.00 - 4.25
Strolyi, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .58 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.40
Milk, bbls., c.l.....lb. .25 - —
l.c.l., 10 or over.....lb. .26 - —
less than 10.....lb. .27 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's, ...ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 2.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb lots.....lb. 1.45 - —
Sulfapyridine, powd., bots., tins.. lb. 7.50 - 8.00
Sulfathiazole, 1,000-lb. lots., dms., lb. 5.00 - —
500-lb. lots, dms.....lb. 5.10 - —
100-lb. lots, dms.....lb. 5.15 - —
25-lb. tins.....lb. 5.30 - —
1-5-lb. bots.....lb. 5.50 - —
Sesquihydrate, prices same as sulfathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
flowers, USP, bgs., c.l...100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.15 - —
flour, comm'l bgs., c.l...100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
refined, cast, bgs., c.l...100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l..100 lbs. 2.85 - —
l.c.l. .....100 lbs. 3.35 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, ref'd, USP, bgs., c.l., 100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —
roll, bgs., c.l.....100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —

Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.

Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .03¼
l.c.l., dms., works....lb. .04 - .04½
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l., cyls., works..lb. .07 - .09
multi-unit, cars, works.lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit, cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .12 - .18
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06¾- .07
poultry .....lb. .06 - .06½
Superphosphate, run-of-pile, basis 16%, bulk, f.o.b. cars, boat, Balto..net ton. 9.60 - —
guaranteed 16%, bulk, same basis..net ton.10.10 - —
20%, bulk, same basis....ton.12.75 - —
triple, bulk, f.o.b. cars, balto. spot..unit-ton. .60 - —

T

Talc, dom., aluminum flake-type, grd., c.l.....ton.14.50 -24.50
l.c.l. .....ton.16.50 -39.00
Calif., 1, c.l. .....ton.21.50 - —
2, c.l.....ton.13.50 - —
N.Y., fibrous, 325 mesh, 98-94%, c.l. .....ton.13.00 -18.00
99-99½%, c.l.....ton.15.25 -19.25
99.95%, c.l.....ton.17.00 -21.00
coarse, off-color, c.l.....ton.13.00 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
Imp., Canadian, c.l., dlvd. N. Y..ton.24.00 -30.00
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow,[1,5] extra, loose.....lb..0971¼- —
special, loose.....lb..0957½- —
sulphonated, 35% (26% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
50% (43% fat), dms., c.l..lb. .06¾- —
l.c.l. .....lb. .07¼- —
50% (48% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....lb. 6.00 - 8.00
Tankage, dom., fertilizer, animal, grd., 9% ammon., 10% b.p.l., bulk, basis N. Y..unit-ton. 4.75 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 4.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N. Y.....unit-ton. 5.25 & .10
high-grade, bulk, Chicago.. unit-ton. 5.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. port..unit-ton. 5.25 & .10
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, bgs.....lb. .04 - .07
Tar acid oil,[7] 16%, dms., c.l., works..gal. .27½- —
l.c.l., same basis.....gal. .29½- —
25%, dms., c.l., works.....gal. .31½- —
l.c.l., same basis.....gal. .33½- —
Tar, pine, retort, dms., dlvd. E. cities..gal. .33 - —
ports .....gal. .33 - —
tanks, dlvd. E. cities....gal. .241- —
Tarragon herb, bgs.....lb. 1.95 - 2.00
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpinyl acetate, cns.....lb. .87 - —
dms. .....lb. .85 - —
Terpin hydrate, cryst., bbls., dms. lb. .70 - .72
powd., bbls., dms.....lb. .75 - .77
Terpineol, CP, cns.....lb. .43 - —
dms. .....lb. .40 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms., wks..lb. .08 - .08½
Tetrachlorethylene, CP, dms..lb. .21½- —
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine .....lb. 2.65 - —
Sodiosalicylate, dms.....lb. No pr'ces
Thiamine hydrochloride, bots., cns. gram. .53 - .56
Thiocarbanilide, dms.....lb. .24 - —
Thio Urea, C.P., dms.....lb. .55 - .65
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .89 - .94
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .23½- .24
Thymol, cns., 25 lbs.....lb. 3.00 Nom.
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see cube root).
Tin chloride (ous), anhy.....lb. .48 - .48¼
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[1, 6] Straits.....lb. .52 - —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls....lb. No price
Titanium,[1] dioxide bgs., c.l. (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery. lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery. lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
Titanium, dioxide, non-chalking, bgs., c.l. (20 tons).lb. .16½- —
l.c.l., 5 tons, single delivery. lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery..lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery. lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15 - —
l.c.l., 5 tons, single delivery. lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons) lb. .05½- —
Titanium-calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.00 - 1.05
Toluidin, mixed, dms.....lb. .26 - —
Toluol,[2, 3, 6] (toulene), 2° indus., dms., returnable..gal. .33 - —
tanks, E. of Omaha, frt. alld. gal. .28 - —
W. Coast, f.o.b. Minequa, Colo..gal. .28 - —
Toluol, 1° nitration,[6] dms., returnable..gal. .34½- —
tanks, E. of Omaha, frt. alld.. gal. .29½- —
W. Coast, f.o.b. Minequa, Colo..gal. .29½- —
Tonga, N.F., 50% bark and vine, bls..lb. .90 - .95
Tonka beans, Angostura, cks..lb. 3.00 - 3.05
Brazilian, Surinam, cs.....lb. .95 - 1.10
Triacetin, dms.....lb. .26 - —
Trimyl borate, dms., l.c.l., works lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l., works.....lb. .81 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .34 - —
single dms.....lb. .36 - —
smaller lots.....lb. .45 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., same basis.....lb. .06½- —
tanks .....lb. .07¼- —
Trichlorethylene,[8] zone 1, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D. Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl, phosphate,[6] CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .37½- —
Tech., dms., c.l.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.16 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .29 - —
single dms.....lb. .31 - —
smaller lots.....lb. .40 - —
Triethyl phosphate, dms., dlvd..lb. .45 - —
Trimethyl phosphate, cns.....lb. .54 -56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.00 - —
double grd., bgs., c.l., works, ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Derris root).
Tungsten metal powd.,[2, 3] 99% dms., works..lb. 2.60 - —
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .16 - .16½
Haitian, bls.....lb. .06¾- .09
Madras, bgs.....lb. No price
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .71 - —
l.c.l., 10 ex dock..gal. .73 - —
5 ex dock.....gal. .75 - —
Turpentine, wood, dest., dist., dms., dlvd. E. cities..gal. .65 - .70
tanks .....gal. .58 - —
steam-dist., dms., c.l., dlvd.gal. .69 - —
l.c.l., dlvd.....gal. .72 - —
tanks, dlvd.....gal. .64 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
46% N., bgs., l.c.l., f.o.b. Belle, W. Va..ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl. Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.57.40 - —
Urea - ammonia liquor, basis 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.127.00 - —
Uva ursi leaves, bls.....lb. .24 - .25

V

Valerian root, Belgian, bls.....lb. 1.70 - 1.75
Eastern, bls.....lb. 1.50 - 1.55
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.60 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. No prices
Mexican, tins.....lb.16.00 -17.00
cuts, tins.....lb.14.00 -16.00
South American, tins.....lb. No prices
Tahiti, tins.....lb. 6.50 - 6.75

Vanillin, ex eugenol, 25-lb. tins. lb. 2.60 - —
5-lb. tins lb. 2.65 - —
1-lb. tins lb. 2.75 - —
ex-guaicol, 25-lb. tins lb. 2.35 - —
5-lb. tins lb. 2.40 - —
1-lb. tins lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins lb. 2.35 - —
5-lb. tins lb. 2.40 - —
1-lb. tins lb. 2.65 - —
Venice turpentine, true, cs. lb. No prices
artificial, cs lb. .24 - .25
Verdigris, bbls., kgs lb. .22 - .23
Vinyl acetate, cns., works lb. .25 - —
dms., c.l., 30,000 lbs. gross, works lb. .15 - —
l.c.l., works lb. .16 - —
5 gals., dms., works lb. .25 - —
Ether, 75 c.c. bot. 1.30 - —
50 c.c. bot. .73½- —
25 c.c. bot. .45½- —
Vitamin B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex (see Rice bran).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut liver).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic; acid, nicotinic amide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).

W

Wahoo bark, bls. lb. .40 - .42
tree lb. .28 - .29
Wattle bark, bgs., f.a.s. ton. 41.00 -43.00
Extract, solid, bgs. lb. .0447½-.0460
liquid tanks lb. .05 - —
bbls. lb. .05¾- —
Wax, amorphous, group 3, at refineries; 160-165, amber lb. .15½- —
black lb. .14 - —
white lb. .26 - —
180-185, amber lb. .17½- —
black lb. .16 - —
white lb. .30 - —
Bayberry, bgs. lb. .18 - .20
Bees,[3] white, bleach, slabs, lb. .61 - —
cakes, cs. lb. .62 - —
discs, cs. lb. .63 - —
yellow, crude, Africa lb. .49 - —
Brazilian, Chilean, bgs. lb. .50 - —
refd., slabs, cs., lbs. lb. .59 - .60
Candelilla,[3] bgs., 1 ton lb. .38 - —
Carnauba,[3] No. 3 chalky, bgs., lb. .75 - .76
No. 2, N.C., bgs. lb. .82 - .83
N.C., 3, bgs. lb. .77 - .78
refined, bgs. lb. .84 - .85
yellow, No. 1, bgs. lb. .87 - .88
No. 2, bgs. lb. .85 - .86
Ceresin, dom., 135°-140° m.p., bgs., 1 ton lb. .13½- .14
jobbing lots lb. .14½- .15
150°-160° m.p., bgs., 1 ton lb. .15½- .16
jobbing lots lb. .16½- .17
100° m.p., bgs., 1 ton lb. .16½- .17
jobbing lots lb. .17½- .18
Japan, cs lb. .40 - .45
Montan, bgs lb. .45 - .46
Ouricury,[3] bgs lb. .55 - .62
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs. lb. No stocks
70°-72° C., bgs. lb. No stocks
74°-76° C., bgs. lb. No stocks
snow-white, pure, 76°-78° C., bgs. lb. No stocks
yellow, natural, 76°-78° C., bgs. lb. No stocks
Paraffin (see P).
Spermaceti, blocks, cs. lb. .26 - .27
cakes, cs. lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .08 - .09
White precipitate,[3] powd., dms., 50 lbs. or more lb. 2.84 - —
Whiting, chalk, dry-grd., c.l. ton. 18.00 -22.00
l.c.l. ton. 20.00 -24.00
wet-grd., c.l. ton. 21.00 -25.00
gilders, bolted, c.l. ton. 20.00 -24.00
l.c.l. ton. 21.00 -24.00
extra bolted, c.l. ton. 22.00 -26.00
l.c.l. ton. 23.00 -27.00
Paris white, c.l. ton. 24.00 -28.00
l.c.l. ton. 25.00 -29.00
Limestone, airfloated, 99¾%, 250 mesh, c.l. ton. 10.10 - —
200 mesh, c.l. ton. 9.50 - —
90%, 200 mesh, c.l. ton. 7.00 - —
gilders', c.l. ton. 11.50 -13.00
l.c.l. ton. 12.50 -16.00
water-floated, gilders' putty grade, c.l. ton. 12.00 -13.00
l.c.l. ton. 13.00 -16.00
precipitated, c.l. ton. 14.00 -15.00
l.c.l. ton. 18.00 -25.00
Wild cherry bark, thick, natural, bls. lb. .05½- .06
rossed, bls. lb. .14 - .15
thin, natural, bls. lb. .09½- .10
rossed, green, bls. lb. .15 - .16
Wild indigo root, bls. lb. .22 - .23
Witch-hazel extract, dist., NF, bbls. gal. .72 - .75
leaves, bls. lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y. ton. 24.00 -25.00
80 mesh, same basis ton. 26.00 -28.00
100 mesh, same basis ton. 30.00 -32.00
Woodflour, import, 70 mesh, bgs., ex dock ton. No prices
80 mesh, bgs., ex dock ton. No prices
100 mesh, bgs., ex dock ton. No prices
120 mesh, bgs., ex dock ton. No prices
Wormseed, American, bgs. lb. .08 - .09
Levant, bgs. lb. No prices
Wormwood, bls. lb. .50 - .60

X

Xylol[3] (xylene), indus., dms., returnable, works gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo. gal. .27 - —
10°, dms., returnable, works. gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
5°, dms., returnable, works. gal. .42 - —
tanks, E. of Omaha, frt. alld. gal. .37 - —
3°, dms., returnable, works. gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .42 - —
Xylidin, mixed, dms. lb. .35 - .36

Y

Yara yara, cryst., cns. lb. 1.80 - 1.85
Yellow,[3] arsenic sulphide, dom., bbls., f.o.b. New York lb. .52 - .55
bottles, same basis lb. .60 - .64
imp., bbls., same basis lb. .20 Nom.
Benzidine, bbls., dlvd. lb. 1.35 - 2.25
Yellow, cadmium, CP, import, bxs. lb. 1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls. lb. .55 - —
400-2,000 lbs., bbls., lb. .60 - —
100-300 lbs., pkgs. lb. .65 - —
Yellow cadmium lithopone prices are f.o.b. Balto. or whse. points, transportation prepaid or allowed E. of Rockies.
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .16½- —
Chrome yellow, CP, prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls. lb. .09 - .11
Hansa, bbls., same basis chrome. lb. 1.37 - —
primrose shade, bbls., same basis chrome. lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs. lb. 2.87 - —
smaller lots lb. 2.89 - —
Ocher, American, golden, bbls., works. lb. .04½- .06¾
yellow, bbls., works lb. .02 - .02¾
French type, bbls., c.l. lb. .0345- —
l.c.l. lb. .0365- —
Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton lb. .01½- —
l.c.l., same basis lb. .05 - —
synth., bbls., c.l., works lb. .07 - —
l.c.l., same basis lb. .07¼- —
Persian orange (see O).
Zinc., bbls., same basis, chrome CP, contracts. lb. .1785- —
open order lb. .1785- —
Navy specifications type, contracts. lb. .1785- —
open order lb. .1785- —
Yellow dock root, dom., bls. lb. .16 - .18
Yellow root (xanthorhiza), bls. lb. .11 - .13
Yerba santa leaves, bls. lb. .15 - .14
Yohimbine hydrochloride, viz. oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works lb. .20 - —
less than 1,000 lbs., works lb. .25 - —
Zinc,[1,2,5] Metal (see paint market).
acetate, tech., bbls., dlvd. lb. .16 - .17
USP, bbls., 250 lbs. lb. .27 - —
kgs., 100 lbs. lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies. lb. .12 - —
l.c.l., bgs. lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 66 lbs. or over.
Carbonate, tech., bbls. lb. .14 - .20
USP, precip., powd., bbls. lb. .32½- —
25-lb. dms. lb. .37½- —
kgs. lb. .34½- —

Vanillin—Zinc Oxide

Zinc chloride, tech., fused, dom., c.l., works. 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.35 - —
gran., dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., dms., wks. 100 lbs. 6.50 - —
USP, 100-lb. dms. lb. .30 - .31
25-lb. jars lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works lb. .04¼- .04½
tanks, works lb. .0250- —
Cyanide, kgs., works lb. .33 - .37
Dust, bbls., c.l., dlvd. lb. .1035- —
l.c.l., bbls., f.o.b. works lb. .1135- —
Iodide, N.F., bots. lb. 4.54 - —
jars lb. 4.40 - —
Fluoride, bbls. lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide,[3] pigment, dom., acicular type, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd. lb. .07½- —
bbls., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .07¾- —
American process, lead-free, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd. lb. .07½- —
bbls., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .07¾- —
leaded, 5%, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .07¾- —
bbls., c.l., dlvd. lb. .07¾- —
l.c.l., dlvd. lb. .07¾- —

—Continued on page 36

Priorities and Preference

We are grateful for having received more preference than priorities from our customers for Zinc Oxide. One is earned; the other is mandatory. We shall continue to strive by quality, service and understanding of customers' needs to justify the preference extended to us.

ST. JOSEPH LEAD COMPANY
250 PARK AVENUE, NEW YORK, N. Y.

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Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Vol. 141 April 20, 1942 Number 16

Do Today's Job First

It is helpful to look to the stars—but not to the extent of failing to see the gopherhole under your foot. Business is getting—and taking—too much advice on what to do to get ready to be prepared to do what will have to be done to assure this and to preserve that—after the war. What to do with today's problems of materials and with tomorrow's unknown possibilities of existence gets little attention—because the futility is obvious—and, what is far more jeopardizing, the long-range planning is directed chiefly at narrow privileges that are mere corollaries of what is really fundamental and must be saved.

It is not the American principle of this or that business practice which must be safeguarded with the utmost endeavor of all. A flag cannot fly without a support: if the basic freedoms fall, there will be no American principles: not even those few which exist as something more than wall-mottoes, meaningless but convenient penates.

It is in the war, not after the war, that the basic freedoms of the people must and will stand or fall. No time is there now to be guessing what the people will demand—or who shall lead them to demand it—after the war. The thought for today is so to live that you fit in with those from whom always you have to make your living. It may be better to sacrifice all now and to start from scratch after the war, because it would be possible to start clear and free, than to strive to maintain and assure and preserve this, that, and something else—only to go down to slavery in the wreck of the general welfare.

Survival is an objective large enough for today, without worrying about whether you will have a melton coat or a mullein leaf to wear when the storm is over. Of course, if the war is lost, business will have no more problems, and "orders" will take on an entirely new meaning. Business does not desire that "new order." Today's problem is not how to meet it when it comes, but how to prevent its coming.

License Needs Limits

Now that the United States Department of Justice is making a common practice of imposing on holders of internationally composite patents the obligation to license use of these patents to any applicant therefor, some branch of the government should set up an agency for the purpose of determining the fitness of such applicants. While it is not wholly in keeping with the dictates of war's needs that, as has been sought in one patent opening, the divested patentholder select those who are to be licensed, it is economically undesirable and in conflict with sound business principles that everybody so desiring shall be given the right to use a patent, even though such licenses may be nonassignable.

Patentrights of any sort have at least some nuisance value for anybody who can acquire them. If the acquisition of rights to a valuable patent is possible for any number of persons, the nuisance value attains an aggregate value that could threaten disaster. This possibility arises because of the ease with which corporations with any kind and any degree of purposes may be organized, and in spite of SEC restrictions may be financed for quite another purpose—that of acquiring a nuisance value with which a blackjack may be weighted.

There is more than a trace of public interest behind the patent probe now being prosecuted by the United States Senate. There is in such undertakings the potentiality of much that is inimical to the public interest. Therefore, they must be handled with a proper measure of care and much more than is customary in the matter of caution against unwarrantedly detrimental publicity.

It is logical and in most cases it is desirable, as well as necessary, that the Federal government should be in position to free production of war goods from costly restrictions and from the payment of tribute to the enemy. But, this function is not adequately performed in the mere opening of relative patents to general use. In many instances the resulting freedom of competition can and will be more costly than the condition which it has succeeded. It is imperatively necessary that there be officially provided a patent-licensing agency qualified in understanding, integrity, and all other attributes to carry out the best traditions of the handling of commandeered property—and to steer clear of the rocks and whirlpools which have wrecked more than one such undertaking.

BUY WAR BONDS TO WIN

Revenue and Reserve

Congressional and treasury tax experts and their aiders and abettors are still far from even "barbershop" harmony on what should be done to make the people use the extra money they are now getting to pay for the war. There are various reasons for the various views. One that is not much published is the difficulty of fitting inflation-preventing ideas to the fact that a very large portion of the population is not sharing the benefits of the bigger-earnings era. This group is not given much consideration by those who favor a general sales tax or by those who feel that compulsory saving would be good for all concerned.

So, the revenue-raisers continue to tax patience, to tax endurance, and to tax confidence in the representative form of government, without getting to a plan of paying the way of the war. It will not be strange if they stage a last-minute rush and rally around the same old banners—"Soak the Rich," "Hide the Levy."

There is too much talk about what people do wrongly with a bit of extra spending money; too much blaming on this of the inflation of prices which is created solely by those whose greed spurs them to get while the getting is good. It is only at an auction that the buyer even has the appearance of making a price. Prices are made by those who want them. Blaming this on the mythical "law" of supply and demand is merely finding an excuse for gouging.

There is too much talk about the futility of any form of price-control. If adequate penalties are attached and honest administration attends, any form of price-control will work to the extent of its scope, and if its scope is what it should be, and easily could be, it will work effectively to prevent inflation. Half measures will not work in anything or to any effect.

There is a growing swing toward real price-control. There is yet no evidence that real price-controllers can be adequately provided. There is a bit more favor for a paid-at-source general income tax. There is still room for some real educational work on voluntary saving, because anything enforced invites evasion, and this should be built around the theme that the average person can be trusted to do right with extra spending money if somebody he trusts tells him what to do. Blaming inflation on the buyer, instead of the actually guilty seller, is no way to enlist the cooperation of the former: it skins him coming and going, and produces neither revenue nor reserve.

BUY WAR BONDS TO WIN

Don't Plug the Bottleneck

Transportation is today's worst bottleneck. Vehicles of all sorts and vessels of both kinds (carriers and containers) are the biggest need. The supply of materials and of tools is more than enough to take care of production that can be moved to where it must perform.

In the longer view, of course, ships are of greater importance than shirts or shampoos, and they must be built whatever shops must be closed to provide money, men, materials, or machines. But, the smaller view must not be disregarded: trucks must be worked with more than one eye on maintenance, and drums must give their full potential service.

It is on drums that comment would here be made. Too many of these necessary adjuncts of transportation are working at other jobs. Slogans are being coined and circulated to keep drums rolling so that they do not plug up the bottleneck of transportation. Deposit fees are being boosted with the same end in view. Human nature must be cajoled or coerced into doing what it clearly can perceive should be done as long as it sees a slight and fleeting advantage in doing otherwise.

Keeping drums in circulation will not help much to build more ships. But, it will help a lot to build goodwill with shippers, which can find expression in such things as favoring one with an extra parcel of something necessary to have and hard to get. Keep 'em rolling!

CITRIC ACID

MORE than sixty years ago the manufacture of Citric Acid was begun by Chas. Pfizer & Co., Inc., using citrous juices, and later also citrate of lime, as the raw materials. Starting before the turn of the century, a number of experimenters, both in this country and abroad, investigated the production of Citric Acid by various fermentations brought on by a range of organisms. Nothing of practical value, however, arose from this work until the research staff of Chas. Pfizer & Co., Inc. attacked this problem in 1913. In 1923 results were deemed sufficiently favorable to warrant commercial production, the first Citric Acid produced by this new process, using sugar as the raw material, being placed on the market during that year. By 1925 complete independence of other sources for raw material had been attained.

However, during the first World War, this country was in the main dependent upon foreign sources, particularly Italy, for the raw material used in the production of Citric Acid. As a result, the price of Citric Acid advanced from 41¢ per pound at the start of the war to $1.25 per pound at the end of 1918. It was after the war that an Italian Cartel was formed, monopolizing the production of citrate of lime in that country. As a result of this monopoly, the price of this raw material was maintained at a high level, producers of Citric Acid, other than Italian, being at the mercy of the Cartel. In 1927, wishing to limit the manufacture of Citric Acid in other countries, Italy placed an embargo on the export of citrate of lime. Fortunately, by this time Chas. Pfizer & Co., Inc. were in full production of Citric Acid by their new process and this embargo had no effect upon the production and price of this acid in this country.

Due to continuous research and resulting manufacturing economies, the price of Citric Acid has declined steadily since that date, the policy of Chas. Pfizer & Co., Inc. always being to pass on to consumers of the acid such reductions in cost.

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Heavy Chemicals

Continued Strength Displayed Despite Industry Dislocation Due to Plant Conversion to War Production—Export Stifled By Tight Shipping Space, Complications

Heavy chemicals displayed continued strength last week despite the fact that the temporary dislocation of industry due to conversion of plants to war work has resulted in a backlog of materials that is making for freer offerings these days in some quarters. There was export inquiry in the market but the scarcity of shipping space and numerous other complications tended to promote extreme caution on the part of buyers.

The division of industry operations of the War Productions Board has announced that amendment No. 2 to General Preference Order M-43 restricts all persons except retailers from selling any solder with a tin content of more than 16 percent, any tin-bearing babbit metal or tin oxide, with certain specific exceptions.

Explosives and explosive equipment have been added to section 982.1 of WPB Preference Rating Order P-56 with reference to mines.

Textile manufacturers, commercial laundries and housewives are expected to feel the bite of restrictions on chlorine in the near future. Civilian supplies must be cut, says WPB. Reason? Explosives are more important than snowy bedsheets and what-not.

Soda silicofluoride was lowered fractionally last week by some factors. Zinc cyanides are expected to gain in importance because of the doing away with cadmium, nickel, and chromium plating. The tight lead situation and its effect on the manufacturing of fluorescent lights was pointed to as a cause for a lull in demand for potash carbonate.

Paper production, as a percentage of six-day capacity was 99.4 percent in week ended April 11, according to the American Paper and Pulp Association. This compares with 101.3 percent in the previous week, and 95.0 percent a year ago.

Alums. — Demand remains spotty. No change in prices.

Alumina Hydrate.—No new developments. Prices maintained.

Alumina Sulphate.—Activity at recent level. Prices same.

Ammonia Aldehyde.—Market shows no change. Quotations unaltered.

Ammonia Anhydrous. — War call heavy. Supplies for civilian use tight. Quotations firm.

Ammonia Aqua. — Business prorated. Tone of market firm.

Ammonia Bicarbonate.—No change in situation. Prices unaltered.

Ammonia Carbonate.—Market position shows no alteration. Prices same.

Ammoniac Sal.—New developments lacking. Prices unchanged.

Barium Chloride.—Activity at recent level. Prices unchanged.

Calcium Chloride.—Situation unaltered. Prices maintained.

Carbon Tetrachloride. — General Preference Order M-41 limits use to May 15. Quotations unchanged.

Chlorine. — In tight position with government taking large volume. No change in prices.

Copper. — Domestic copper, 12c. a pound, delivered New York. Export 11¾c. per pound, f.a.s. New York.

Copper Cyanide. — Easier supply situation continues. Quotations show no change.

Ethyl Chloride. — Market position unaltered. No change price-wise.

Fluorspar. — Market condition unchanged. Prices same.

Glauber's Salt.—New developments lacking. Prices unaltered.

Lead Acetate.—Situation unaltered. Prices firm at level recently established.

Manganese Chloride.—No change in market position. Prices unaltered.

Manganese Dioxide.—No new developments. Prices unchanged.

Nickel Salts. — Manufacturers prohibited from filling orders for plating and other such uses.

Phosphorus.—Demand heavy. Prices maintained.

Potash Carbonate. — Call from fluorescent light manufacturers off, due to tight lead situation. Quotations unaltered.

Potash Cyanide.—Market devoid of new developments. Quotations unchanged.

Price Changes

Advanced

None

Reduced

Soda silicofluoride, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	170.2	170.1	158.2

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Sal Ammoniac

With the present tight and somewhat chaotic situation prevailing as regards exports, it is of interest to note that, at the start of the war in September, 1939, heavy domestic and export demand brought about a tight situation in sal ammoniac.

Blackouts in the United Kingdom and other European countries caused a tremendous demand for dry batteries, bringing sudden pressure on battery manufacturers for raw material, of which sal ammoniac was an important ingredient. A review of this situation is of particular interest in these days when practice blackouts have become the "order of the night" across our own continent.

In the first five months of 1941 shipments of sal ammoniac here totaled only 228,118 pounds, compared with 2,162,023 pounds in the like period of 1940. During 1939, a total of 8,487,112 pounds were imported as against only 2,703,401 pounds for 1940.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Chemical Society, Memphis, Tenn., April 20 to 24.

American Society for Testing Materials, Memphis, Tenn., annual meeting, June 22 to 26.

Manufacturing Chemists Association, Waldorf-Astoria, June 4.

National Association of Insecticide and Disinfectant Manufacturers, Edgewater Beach hotel, Chicago, June 8 and 9.

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BARIUM PEROXIDE
BARIUM HYDRATE
Manufactured by
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OFFICE AND WORKS: SOUTH CHARLESTON, W.VA.

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PERSULPHATE OF AMMONIA
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TECHNICAL & U. S. P.

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Soda Nitrite.—One prominent Eastern producer is quoting $8.00 per 100 pounds, while another Eastern producer is maintaining his mill base price. However, representatives on the coast of another Eastern producer was quoting $8.65, the difference being due to the all-rail rate to the coast.

Soda Silicofluoride.—Demand maintained. Quotations lowered ½c. per pound by some factors.

Tin Salts. — General Preference Order M-43 amended to restrict all persons except retailers from selling any solder with a tin content of more than 16 percent, any tin-bearing babbit metal or tin oxide, with certain specific exceptions.

Zinc Cyanide.—Expected to gain in importance because of doing away with cadmium, nickel and chromium plating.

Acids

The demand for heavy chemical acids remained in general spotty to good this week, contract commitments continuing at recent levels. Quotations? Steady to firm.

Acetic.—Demand for material good with supplies limited. Prices firm.

Battery.—No change in market conditions. Quotations unaltered.

Chromic.—Call for material maintained. Prices hold unchanged.

Formic.—Market devoid of new developments. Prices same.

Hydrofluoric.—Situation unaltered. Prices unchanged.

Mixed.—Rate of activity unaltered. Pricewise no change.

Monosulphonic.—No new developments. Material available to some extent without priorities. Quotations unaltered.

Nitric.—Demand at good level. Prices hold unchanged.

Sulphuric.—Fair volume of supplies. No alteration in prices.

Baltimore, Apr. 15.—Producers stand at approximately $14.13 per ton for 60 degree, $16.95 per ton for 66 degree, and $17.83 per ton for 98 percent supplies. One producer states that any price mentioned at the present time would be confusing, with an intimation that the quotations mentioned are too high. Still others explain that they are making acid only for their own requirements, and, therefore, are not in the market at all. No price level can be named which would be more than an approximation. There is a general disposition to hope that there will be an advance sufficient to cover the rising increase in production cost. Supplies appear to be more adequate than they were for a time and the danger of a scarcity has been relieved for the present.

Insecticides

A satisfactory level of inquiry was received by factors in the market for insecticides and fungicides last week. Market conditions on the whole showed little change, with raw materials considered in adequate supply.

Calcium Arsenate.—Deliveries at good rate. Pricewise, no change.

Lead Arsenate.—Call for material satisfactory. Quotations unaltered.

Nicotine Sulphate.—Requested price levels prevail.

Paradichlorobenzene.—No change in situation with supplies remaining somewhat tight. Prices firm and unaltered.

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Electrochemists Elect Prof. Baker President

—Continued from page 5

were also reports on magnesium and phosphorus. A new method of nickel plating magnesium was discussed.

Two sessions, headed by Dr. R. M. Burns and Dr. B. B. Mears of New Kensington, Pa., covered the latest development in the field of corrosion. Various means and methods were presented for combating corrosion losses; other methods covered the complete elimination of corrosion.

At the annual dinner the $1,000 Weston Fellowship Award, made to the most deserving young student, was presented to William E. Roake, graduate student of Oregon State College; also a Young Author's Prize for the best electrochemical paper published during the past year, was presented to Dr. Edward Adler, department of chemistry, College of the City of New York .

Oil Industry Nationalizing Unlikely

—Continued from page 7

mendations in the regulations were that the several States follow the production quotas recommended by the coordinator; urged a "fair price" for crude; suggested opening of public lands to greater oil development, and asked retention of the 27½ percent tax law depletion allowance.

The following were elected as permanent officers of the conference:—Chairman, Hiram M. Dow, New Mexico representative to the Interstate Oil Compact Commission; vice-chairman, Jerry Sadler, member of the Texas State Railroad Commission; secretary, P. J. Hoffmaster, superintendent of wells, Michigan Department of Conservation.

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M. G. L. Mining Company is developing a tungsten mine near Nixon, Nev., and is building a mill capable of handling 100 tons of ore daily.

American Potash to Increase Saltcake, Soda Ash Output

Contract has been awarded for construction of an addition to the plant of the American Potash & Chemical Corporation, Trona, Calif. The addition will make possible a yearly increase in production of 40,000 tons of soda ash and 50,000 tons of saltcake. The project will cost $1,000,000.

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Antimony History In April 'Priorities'

A story about antimony appears in the April number of *Priorities*, house magazine of the Prior Chemical Corporation, this city. The point is made that this metal is little more than a name to most people despite the fact that it has been employed since ancient times and is today on the list of strategic materials under strict government control. Current sources of the metal and its applications and characteristics in industry are also briefly outlined.

Chemicals Listed As Implements of War

—Continued from page 5

Tetryl (trinitrophenol methylnitramine or "tetranitro methylaniline")
Picric acid
Ammonium picrate
Trinitroanisol
Trinitronaphthalene
Tetranitronaphthalene
Hexanitrodiphenylamine
Pentaerythritetetranitrate (penthrite or pentrite)
Trimethylenetrinitramine (hexogen or T_4)
Potassium nitrate powders (black saltpeter powder)
Sodium nitrate powders (black soda powder)
Amatol (mixture of ammonium nitrate and trinitrotoluene)
Ammonal (mixture of ammonium nitrate, trinitrotoluene, and powdered aluminum, with or without other ingredients)
Schneiderite (mixture of ammonium nitrate and dinitronaphthalene, with or without other ingredients)

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Thompson Honored At Chemist Club

DeWitt Thompson, assistant general sales manager for the Mathieson Alkali Works, was tendered a farewell luncheon at the Chemists Club, April 14, prior to his leaving for the Naval air station at Quonsett Point, R. I., where he will assume the rank of lieutenant. More than forty persons were present. Howard Farkas, of the United States Stoneware Company, was toastmaster.

DeWitt Thompson

Mr. Thompson graduated from Columbia University in 1927 and started as a salesman for G. B. Hurd, Inc. For a short while he was in the advertising department of the New York Edison Company, but left that firm in 1930 to join Mathieson Alkali. In 1940 Mr. Thompson was president of the Salesmen's Association of the American Chemical Society.

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Phila. Chemical Club Adopts New By-Laws

Philadelphia, Apr. 14, 1942

The Chemical Club of Philadelphia last night adopted a new constitution and set of by-laws. The new by-laws provide for an executive committee of three members, presided over by the president as chairman, and the following were elected: J. F. Kirk, of the General Chemical Company for a three year term; G. Webster Rice of the J. T. Baker Chemical Company, two year term, and W. D. Marshall of the Mathieson Alkali Works for a one year term.

Provision was also made to hold regular monthly meetings on the second Monday of each month from September to May, inclusive, with perhaps Spring and Fall golf outings and an annual Christmas party in December. The present club membership consists of some eighty representatives of the chemical trade.

The next meeting is scheduled for May 11, to which not only local members of the club but out-of-town members affiliated with the chemical industry are invited to attend. F. S. Dubbs, of the American Cyanamid & Chemical Corporation, is president of the club.

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Export Freight Movement By R.R. Requires Permit

An embargo to prevent the movement of all commercial export freight to all Atlantic, Gulf and Pacific ports, except when a permit has been obtained showing that ship space is available for such freight, was issued today by the car service division of the Association of American Railroads. The purpose of the embargo is to prevent freight from accumulating at various ports. This embargo, however, does not affect Army, Navy or lend-lease freight. It does not affect freight shipments to those ports other than for export.

Before the railroads will accept export freight for shipment, a permit must be obtained from George C. Randall, manager of port traffic, 30 Vesey street, New York, or his designated representatives located in New Orleans Atlanta, Houston, San Francisco, Los Angeles or Seattle. This permit will be issued when a shipper shows that a definite steamship booking has been obtained.

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Tin Order Again Amended

Restrictions on the use of tin by civilians have been tightened by amendment No. 2 to order M-43, which restricts all persons except retailers from selling any solder with a tin centent of more than 16 percent, any tin-bearing babbit metal or tin oxide with these exceptions:—On a preference rating of A9 or higher; on a preference rating of A-10 or higher where the purchase order specifies that the material is to be used for maintenance or repair of existing equipment, and for manufacture of tin cans within the definitions of Conservation Order M-81, regulating the production and use of tin cans.

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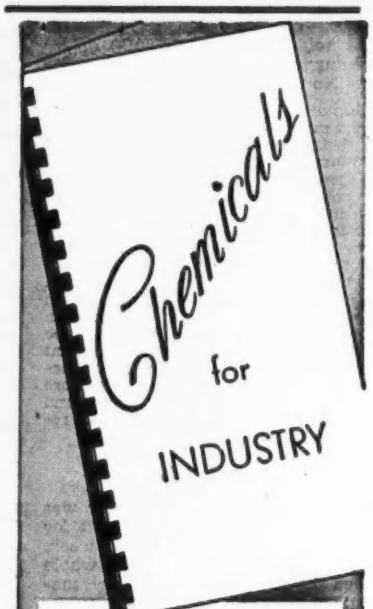
OPA Makes Personnel Shifts

—Continued from page 3

George W. Stocking, a specialist in the oil industry, has been assistant administrator of the Office of Price Administration in charge of the fuels division. Mr. Stocking has been in Washington since June, 1940, on leave from his post as professor of economics at the University of Texas. Until December 1, 1940, he served as assistant director of the Bureau of Research and Statistics in the National Defense Advisory Commission. From that position he went to the Department of Justice as economic consultant, leaving that work to join OPA.



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Dyestuffs, Textile, and Leather Chemicals

Tight Import Situation Continues Interesting Factor with Spot Supplies Becoming Increasingly Scarce — One Item No Longer Available

The increasing seriousness of the import situation continued a factor of considerable interest in the dyestuffs, textile and leather chemicals market last week. There was at least one "temporary casualty," factors announcing that cutch extract was no longer available and not venturing even a guess as to when supplies might be replenished. Raw materials in general were difficult to secure and shipping space most difficult to obtain "either coming or going."

Twenty-three cotton firms have been awarded contracts for cotton cloth of various types totaling approximately 87,000,000 yards by the Quartermaster General, according to the Quartermaster Depot at Philadelphia.

The average weekly hours of operation of worsted spindles were 16 percent less in February than in January, 1942, according to a report on wool machinery activity by the Bureau of Census. Weekly hours of operation for broad woolen and worsted looms and for broad wool carpet and rug looms was approximately 6 percent lower in February than in January of this year.

Operations of the corn refining industry are running in excess of what had been considered the absolute capacity. In the first three months of this year roughly 32,000,000 bushels of corn were ground, or at the annual rate of 128,000,000 bushels. Capacity previously had been estimated at 125,000,000 bushels a year.

The Agricultural Marketing Administration purchased 20,935,445 pounds of dried eggs during the week ended April 11. It is pointed out that these supplies can be used for domestic distribution to public aid families and for free school lunches, to meet requirements of the Red Cross, for shipment under the terms of the Lend-Lease Act or other special programs, or for stabilization reserves.

Chemicals

Alumina Acetate. — Situation unchanged. Prices same.

Alumina Chloride.—No new developments. Business restricted. Prices unchanged.

Antimony Salts. — Business at restricted level with antimony under allocation May 1. Prices steady at recently established level.

Potash Prussiate.—Market devoid of new developments with normal needs of consumers getting attention. Prices nominal.

Zinc Dust.—Activity on restricted basis. Prices firm at ceiling.

Dyestuffs

Anatto. — Spot supplies light with shipping situation continuing serious. Quotations firm.

Cochineal.—Spot inquiry fair. Offerings light. Prices unchanged.

Fustic.—Moderate call for material. Situation unchanged. Prices firm.

Hypernic.—No new developments. Pricewise, no change.

Turmeric

The tight position of the market for turmeric reflects the cutting-off of supplies from India. The greater portion of supplies originated in the Alleppey and Madras sections of India with some material being imported from Haiti. Use for turmeric is centered in the spice industry. However, previous to the inception of the dye industry in the United States after World War I, sizable quantities were consumed in the textile industry.

Average annual production in India was estimated at a little over 100,000 long tons. The crop is planted in May and June and harvested the following January or February. The marketing season is from February to May. No statistics are available on recent imports.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
260.3	260.3	259.8	172.4

Market news that may have developed after this report was sent to press will be found on page 4.

Indigo.—Situation unchanged. Prices unaltered.

Logwood.—Market shows no new developments. Prices same.

Turmeric. — Supply situation very tight. Otherwise nothing new.

Sizing Materials

Albumen, Blood.—Business in soluble dried blood largely on preference rating basis with supplies tight. Light albumen supply situation okay. Quotations unaltered.

Albumen, Egg.—Market shows no change with imported scarce and domestic inquiry strong. Pricewise, no alteration.

Corn Sugar.—Operations of corn refining industry running in excess of what had been considered absolute capacity. Corn sugar inquiry steady. Quotations firm.

Dextrin, Corn. — Orders being accepted at firm price without guarantee against decline.

Egg Yolk.—Material in moderate demand. Prices maintained at firm level.

Starch, Corn.—Orders being accepted at firm price. No guarantee against decline.

Starch, Potato.—Demand good with prices at recently established higher level. Supplies currently plentiful.

Tapioca.—Uncertain import situation holds market quiet. Quotations unchanged.

Tanning Materials

Cutch.—Future supply situation uncertain. Material currently not available.

Divi-Divi.—Market conditions unchanged with prices at recently established higher level.

Hematine. — No new developments. Quotations same.

Gambier.—Virtually nothing to be had on spot. Future supplies remain uncertain.

Mangrove Bark. — New developments lacking in market. Prices unchanged.

Myrobalans. — Situation unaltered. Prices same.

Osage Orange. — Market conditions unaltered. Prices unchanged.

Quercitron.—No new developments Quotations unaltered.

Sumac.—No change in conditions. Prices unaltered.

Valonia. — Conditions unchanged. Prices maintained.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Leather Chemists' Ass'n, Deshler-Wallick hotel, Columbus, Ohio, June 1 and 2.

Tanners Council, Waldorf-Astoria, May 7 and 8.

Textile Chemists Hear About Bleaching Process

A single-stage process for bleaching and securing yarns in stainless-steel package machines, which forms a new application of 'Textone,' was described by E. G. Fenrich, of the Mathieson Alkali Works, Inc., at the April meeting of the Philadelphia Section of the American Association of Textile Chemists and Colorists. Mr. Fenrich said that for a package machine having a capacity of 450 gallons, the following solution is used: Synthetic detergent, 1⅓ pounds; textone, 4 pounds; tetrasodium pyrophosphate, 16 pounds; available chlorine as sodium hypochlorite, 8⅓ pounds.

All the chemicals, Mr. Fenrich said, except the sodium hypochlorite are dissolved and circulated for five minutes at a temperature of from 95 deg. to 100 deg. F. The hypochlorite is then added, and the circulation is continued at the same temperature for 45 minutes. Then the temperature is raised to 200 deg. F. and circulation is continued for another 45 minutes. Bleaching occurs the first part of the operation; scouring continues as the temperature is raised and the chlorine content of the bath is gradually depleted.

After this treatment, the yarn is washed in hot water at 180 deg. F. for five minutes and again in water at 150 deg. F. for five minutes. Mr. Fenrich said the use of Textone to activate hypochlorite substantially reduces the total amount of chlorine consumed in bleaching.

N.Y. Textile Chemists To Meet April 24

The New York section of the American Association of Textile Chemists will meet in the Swiss Chalet, Rochelle Park, N. J., April 24. Henry E. Millson, of the Calco Chemical Division of the American Cyanamid Company, will discuss "Queer Forms of Light." The New York Section will hold an outing at the North Jersey Country Club, Paterson, N. J., June 19.

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Barrett CHEMICALS

For your convenience The Barrett Division, Allied Chemical & Dye Corporation, announces the following Coal Tar Acid prices, effective April 13, 1942:

	Tank Cars	Carloads Returnable Drums	Less Carloads Returnable Drums
CRESOLS			
No. 1 Meta Para—less than 2°C Boiling range..	11½c lb.	12¼c lb.	12¾c lb.
No. 2 Meta Para 2° to 3°C Boiling range.....	10½c lb.	11¼c lb.	11¾c lb.
No. 3 Meta Para 3° to 4°C Boiling range.....	9¾c lb.	10½c lb.	11c lb.
No. 4 Special Cresol distilling 50% at above 198°C and completely within 4° to 8°C.	9½c lb.	10¼c lb.	10¾c lb.
No. 5 Special Cresol distilling at least 50% below 198°C	10c lb.	10¾c lb.	11¼c lb.
No. 6 Special Cresol distilling less than 50% to 198°C and 98% at under 208°C with total range of over 8°C	9c lb.	9¾c lb.	10¼c lb.
No. 7 Cresol U.S.P.	10c lb.	10¾c lb.	11¼c lb.
No. 8 Cresol distilling less than 50% to 198°C and 98% at 208°C or above	8¾c lb.	9½c lb.	10c lb.
No. 9 Ortho Cresol, 30.4°C Min. M.P.		17½c lb.	18c lb.
No. 10 Ortho Cresol, 29°C Min. M.P.		16½c lb.	17c lb.
No. 11 Ortho Cresol, 24°-29°C		15½c lb.	16c lb.
CRESYLIC ACIDS			
No. 1 Cresylic Acid distilling 50% at 204°-206°C.	75c gal.	81c gal.	83c gal.
No. 2 Cresylic Acid distilling 50% at 206°-210°C.	75c gal.	81c gal.	83c gal.
No. 3 Cresylic Acid distilling 50% at 210°C or higher and total distillation range of over 9°C	75c gal.	81c gal.	83c gal.
No. 4 Cresylic Acid (special blends) distilling 50% at 204°-206°C.	75c gal.	81c gal.	83c gal.
No. 5 Cresylic Acid (special blends) distilling 50% at 206°-210°C	75c gal.	81c gal.	83c gal.
No. 6 Cresylic Acid (special blends) distilling 50% at 210°C or higher and total distillation range of over 9°C.	75c gal.	81c gal.	83c gal.
No. 7 Cresylic Acid distillating 50% at 210°C or higher with a total distillation range of 7° to 9°C:—			
(a) Distilling more than 75% at 215°C...	81c gal.	87c gal.	89c gal.
(b) Distilling less than 75% at 215°C....	81c gal.	87c gal.	89c gal.
XYLENOLS			
No. 1 Xylenols distilling completely within range of 5° to 7° C	12c lb.	12¾c lb.	13¼c lb.
No. 2 Xylenols distilling completely within 5°C, M.P. under 58°C	14c lb.	14¾c lb.	15¼c lb.
No. 3 Xylenols with M.P. of 58°C or over	17c lb.	17¾c lb.	18¼c lb.
TRICRESYLPHOSPHATE ACIDS			
T3A	75c gal.	81c gal.	83c gal.
T4A	75c gal.	81c gal.	83c gal.
T4D	75c gal.	81c gal.	83c gal.
FLOTATION ACID			
F1A	70c gal.	76c gal.	78c gal.

F.O.B. Frankford, Philadelphia, Pa., freight equalized with Newark, N. J., Follansbee, W. Va., and Indianapolis, Ind. Drums returnable at seller's expense.
Non-returnable steel barrels 5c per gallon or ½c per lb. higher than returnable drum schedule. Non-returnable steel barrels are supplied at returnable drum prices for west coast shipments.
None of the above standard grades of cresol or cresylic acid will contain more than 20% of phenol. For mixtures containing higher percentages of phenol, prices will be quoted on request.

	Tank Cars Per lb.	Returnable or destructible drums Carloads Per lb.	Less Carload Per lb.
PHENOLS			
Phenol U.S.P. 40°C	11½c	12½c	13¼c
85% Phenol—15% Water, Solutions		10.63c	11.26c
92% Phenol— 8% Water, Solutions		11.50c	12.19c

Returnable drums to be returned at buyers' expense. F.O.B. Frankford, Philadelphia, Pa., freight equalized with Newark, N. J., No. Tonawanda, N. Y., Follansbee, W. Va., Midland, Mich., Indianapolis, Ind., and St. Louis, Mo.

	Tank Cars Per lb.	Returnable or destructible drums Carloads Per lb.	Less Carload Per lb.
Technical Phenol 39°C	11c	12c	12¾c
85% Phenol—15% Water, Solutions		10.20c	10.84c
92% Phenol— 8% Water, Solutions		11.04c	11.73c
		Returnable Drums	
Technical Phenol—90-92%	10c	11c	11¾c
Technical Phenol—82-84%	9¾c	10¾c	11½c
Phenol—Cresol Blends:—			
60-79% Phenol Content	9¾c	10½c	11c
30-59% Phenol Content	9½c	10¼c	10¾c
20-29% Phenol Content	9¼c	10c	10½c

Technical 90-92% and 82-84% Phenol sold in 200 lb. destructible drums, when shipped by motor truck only, at ¼c lb. above returnable drum prices.
Returnable drums to be returned at seller's expense.
F.O.B. Frankford, Philadelphia, Pa., freight equalized with Newark, N. J., Follansbee, W. Va., and Indianapolis, Ind.

Prices are subject to change without notice.
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Coaltar Chemicals

Demand for Coaltar Chemicals Continues High with War Call Getting First Consideration—Naphthalene Prices Advance — Cresol Declines

War activities again last week dominated the market for coaltar chemicals. Demand remained at a high level for benzol, toluol, and xylol, all of which will be unchanged pricewise until July 1. The transportation problem was the overshadowing factor in the benzol supply situation, and toluol, which is going into the war effort in great quantities with none available for civilian use, also was developing an even tighter supply condition. Considerable inquiry continued in the coaltar color market as a result of the recent anthraquinone dye conservation order.

U.S.P. cresol was lowered fractionally with the special resin grade also showing a fractional decline. Naphthalene was advanced to a basis of $2.75 for 74 degree and $3 for 78 degree material. Orthocresol was slightly lower.

Steel operations last week were scheduled at 97.2 percent of ingot capacity against 98.6 percent in the previous week, a decrease of 1.4 points or 1.4 percent, according to the American Iron & Steel Institute. This schedule is equivalent to production of 1,651,100 net tons of ingots and castings for the week against 1,674,800 net tons in the preceding week, 1,663,000 net tons a month ago, and 1,586,500 net tons in the corresponding week of 1941.

Basic Products

Benzol.—Transportation is the problem rather than supply. Quotations unchanged.

Coaltar.—Material continues in active demand. Market firm.

Cresol.—Call for material at high level. Market shows considerable strength. Quotations on U.S.P. off ¼c. per pound, special resin grade ½c. per pound lower, effective April 13.

Cresylic Acid.—Allocations rule. War requirements heavy.

Naphthalene.—Prices on crude up 25c. per 100 pounds.

Phenol.—Under complete allocation. Broad demand for material. Quotations show no change.

Pitch.—No new developments in market. Quotations same.

Pyridin.—Situation, prices show no change.

Solvent Naphtha.—Market position unchanged. Prices unaltered.

Tar Acid Oils.—No new developments. Quotations unchanged.

Toluol.—Material on allocation and getting tighter. Non-essential use out. Prices unchanged to third quarter.

Dimethylanilin

With supplies of anilin oil becoming increasingly short and little being available for civilian use, attention is drawn to dimethylanilin, of which anilin oil is a raw material and which enters the war program directly, it being used as a starting point in the making of tetranitromethylanilin and trinitrophenylmethylnitramine for explosives.

Heretofore dimethylanilin has found a wide use in the manufacture of other chemicals, dyes, and plastics, but now producers are forced to allocate rigidly supplies for civilian use.

According to last available statistics, a sharp upward trend was noted in production in 1940 when output aggregated 7,049,741 pounds, compared with 4,159,348 pounds in the preceding year. The material was placed on the export control list, together with various other coaltar intermediates, in August of last year. Prices have been maintained at firm levels over a long period and no change has been recorded in quotations since the beginning of the war. Carlots are quoted at 23c. per pound and less carlots at 24c. per pound.

Price Changes

Advanced

Crude Naphthalene, 25c. per 100 lbs.

Reduced

Cresol, resin grade, ½c. per lb.
Cresol, USP, ¼c. per lb.
Orthocresol, ½c. per lb.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.1	**130.1**	**130.1**	**126.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Xylol. — Supplies continue tight with no change in situation. Prices same to July 1.

Chicago, Apr. 16.—Coaltar bases are quiet and inclined to steadiness. Movement of material has been a little better in some cases. Benzol is in good call. Inquiries are reported looking a little better. Ruling prices exclusive of tax are:—Benzol, 90 percent, 15c. per gallon; motor benzol, 8½c. to 9c.; toluol, 28c.; 10-degree xylol, 27c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—Market exhibits no change with demand very active. Prices unaltered.

Cyclohexanol.—Call for material at very good level. Prices same.

Cyclohexanone.—No change in situation. Demand heavy. Material quotably unchanged.

Methylcyclohexanol.—No change in position. Quotations unaltered.

Coaltar Acids

Broenner's. — Market exhibits no new feature. Prices maintained.

Cleve's.—Market shows no change. Quotations unaltered.

Fumaric.—No new developments. Prices maintained.

Gamma.—Steady call for material. Prices same.

H.—Market position unchanged. Prices unaltered.

Laurent's.—No alteration in demand with replacements made steadily. Quotations unchanged.

Maleic.—Market tight with material in active demand. Quotations unaltered.

Malic.—Market firm on good interest. Prices unchanged.

Other Intermediates

Anilin.—Little material for manufacture of civilian goods and supplies growing tighter. Quotations unchanged.

—Continued on page 35

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Chemical Society, Hotel Peabody, Memphis, Tenn., April 19-24.

Manufacturing Chemists Association, Waldorf-Astoria, June 4.

Synthetic Organic Chemical Association, Seaview, N. J., June 5-6.

Washington Talks It Over

—*Continued from page* 5

control measures being undertaken—if then.

Costs Aren't Price Factors

Businessmen in their wanderings around Washington are learning a lot of new angles about the relationships between costs of production and prices of the finished product—the latest being that there isn't any real relationship.

The OPA says that just because production costs go up it is no reason why prices should go up, too. Some other element must present itself—it does not say what—to win approval of relief from the price ceiling orders.

"A number of factors, including a greater production volume and a favorable profit position, may in many cases make possible the absorption of such cost increases," an official statement said, but it did not say how production is to be increased when the manufacturer can not get the materials to manufacture.

Next Decade's Coalpile

After the war what? Not all industries are waiting for the government postwar planners to lay out their future for them; they are taking matters into their own hands.

One example is the soft coal industry. It faces the keenest kind of competition from oil, natural gas, and electricity when the war is over and these things come back. So, to continue its present, though fading place in the sun, it is laying aside funds for extensive research on new uses and cheaper production of coal, which can be put forward when the world returns toward some sort of normalcy—and the burning of powdered coal dispersed in oil.

Rail and motor transportation are other industries with the same thoughts in mind; for they foresee in air transport competitor of the first magniture, not only in passenger traffic but in cargo shipments as well.

Sulphur Piling OK

Consumers of sulphur are urged by the War Production Board to build up reserve supplies at their plants so that possible transportation tieups in the future will not halt their operations.

The Director of Industry Operations issued general inventory order M-132 to make such stockpiling possible. The order relaxes priorities regulation No. 1 to permit deliveries of sulphur in excess of its practical working inventory provision. Under M-132, no restrictions are placed on deliveries or acceptances of sulphur from a primary producer.

"War is hell!"—and sulphur is brimstone.

Drug Allocators Organize

The representative committee of the chemical and pharmaceutical industries formed at the request of the War Production Board to survey the supply and distribution problems of drugs growing out of the war, held its initial meeting at the National Research Council today.

Details of the session were not immediately disclosed, but representatives described it largely as an "organization meeting" preparatory to beginning the work requested of it by the board. It is understood that a publicity section may be established later to keep interested parties advised of the work of the group.

Uniforms Don't Produce

Neither uniforms nor fire hose may be ordered with a preference rating assignment under the terms of the repair, maintenance and operating supplies order, P-100, the War Production Board has just decreed.

Fancy uniforms might be all right in times of peace, but Industry Operations Director Knowlsen just doesn't see how they can add very much to the big job of increasing the production of war materials.

Business has been apprised of the director's feelings in an interpretation of the definition of "operating supplies" to which an A-10 preference rating may be assigned by companies covered by the order.

Dr. Paul Martens Retires From Metal & Thermit

Dr. Paul Martens has retired as manager of the Metal & Thermit Corporation plant at Carteret, N. J. He had been associated with the company for thirty-three years. William Little, for some years chief chemist and more recently assistant superintendent for the company, succeeds Dr. Martens.

Prior to his coming to Metal & Thermit in 1909, Dr. Martens was engaged as a laboratory technician in New York for six years. In 1916 he became superintendent of the plant at Carteret, and in 1919 was made works manager. In these latter capacities he supervised the development of many new processes and improvements in the detinning operations of the company.

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E. R. Coyle Leaves Neville For Diamond Magnesium Post

Elliott Rodgers Coyle, former sales manager of the resin and solvents division of the Neville Company, Pittsburgh, is now affiliated with the Diamond Magnesium Company, Painesville, Ohio, as purchasing agent.

Mr. Coyle graduated from Princeton University in 1930, the year in which he joined the Neville Company as a clerk, and from 1932-33 he was in the shipping department. In 1933 he became purchasing agent and manager of advertising, and in 1935 was named sales manager.

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Hillary Robinette Now With Chemical Warfare

Hillary Robinette, of Commercial Solvents Research Department, has reported for active duty with the Chemical Warfare Service. For the past two years Mr. Robinette has been working on the textile applications of the company's new products at their laboratories in Terre Haute, Ind. Other changes in personnel include the addition of Cecil Carr to their research staff at Terre Haute, Ind. Mr. Carr is a recent graduate of Iowa State College.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 34

Alphanaphthol. — General market condition unaltered. Prices maintained.

Alphanaphthylamine. — War needs first consideration. Prices unchanged.

Benzidin Base.—Steady level of shipments maintained. Prices same.

Betanaphthol.—Market position unchanged. Prices unaltered.

Betanaphtholamine.—Tone of market exhibits no change. Prices unaltered.

Diethylanilin.—Supplies tight. Prices maintained.

Dimethylanilin.—No change in market position. Prices rule unaltered.

Dinitrobenzene. — Demand consuming offerings at fast rate. Prices unchanged.

Dinitronaphthalene. — Supplies tightening. Prices same.

Dinitrophenol. — Market situation unaltered. Prices unchanged.

Dinitrotoluene. — War requirements **at high level. Little material** for any other use. Prices well maintained.

Diphenylamine.—Market shows no change. Prices same.

G Salt.—Supplies tight. Allocation possible. Prices firm.

Metanitroanilin.—Prices, market position unaltered.

Metanitroparatoluidin.—Steady demand with offerings limited. Prices unaltered, firm.

Metaphenylenediamine. — Tone of market exhibits no change. Prices unaltered.

Nitrobenzene.—Material in good demand. Prices firm.

Orthocresol. — Quotations off ½c. per pound, effective April 13.

Orthodichlorobenzene. — Material prorated for most part. Prices same.

Orthochloroparanitroanilin. — No new developments. Prices maintained.

Paradichlorobenzene. — Market exhibits no change. Prices same.

Paranitroanilin. — Position unaltered. Prices unchanged.

Paraphenylenediamine. — No new developments. Prices maintained.

"Find out what happens when you substitute

ammonium thiocyanate"*

(* Ammonium Sulfocyanide)

If you use an ammonium salt in your process you should experiment with substituting Ammonium Thiocyanate (Ammonium Sulfocyanide). Perhaps you will discover valuable modifications.

Test it in your laboratory in place of the chloride, the oxalate, the acetate, the carbonate or the nitrate.

The variations that occur from the Thiocyanate group might bring interesting and worthwhile results.

Koppers has placed in operation a large commercial plant for the production of Ammonium Thiocyanate crystals and can now offer this chemical in quantity at substantial savings over former costs. Koppers can supply Ammonium Thiocyanate crystals with a minimum purity of 95%.

Test samples, quotations and further information on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PA.

Paratoluidin.—Position tight. Prices unchanged.

Phthalic Anhydride.—Heavy war requirements. Civilian business allocated. Prices unchanged.

Coaltar Colors

Considerable inquiry continued in the market for coaltar colors last week as a result of the recent anthraquinone dye conservation order. As suppliers for some time had been furnishing consumers material only for normal requirements, it is not expected, and so far there is no indication that any appreciable volume of returns will develop as the month draws to a close. The wool situation is expected to change the market picture somewhat. As large a call for colors is anticipated but it is expected that different kinds may be specified. As for the cosmetic quarter, business continues at a normal rate, shortage of metal for containers preventing any spurt in demand. Government regulations restricting the use of certain pigments, organic and inorganic, and resins are holding down the call for colors, with printing ink manufacturers at the moment digesting rulings and checking their inventories.

- - - —V- - -

General Aniline Directorate Formed With Four Members

At meeting of General Aniline & Film Corporation stockholders, by-laws were amended to provide for a board of directors of four persons. Robert E. McConnell, of Foster-McConnell, New York investment house; A. E. Marshall, of Rumford Chemical Works, Rumford, R. I.; George M. Moffett of Corn Products Refining Corporation, this city, and Robert E. Wilson, Pan American Petroleum Company, who had been appointed managers of the company by Secretary of the Treasury Morgenthau were elected directors.

- - - —V- - -

Milwaukee Coke & Gas Company stockholders recently adopted a resolution to change the name of the corporation to Milwaukee Solvay Coke Company.

Zinc Oxide Sales Set High Record in 1941

—Continued from page 7

years are shown in the following table:—

Zinc Oxide

Year	Produced Short tons	Sold Short tons	Sold Value
1940	116,709	113,213	$13,361,980
1941	145,865	148,833	18,558,474

Leaded Zinc Oxide

Year	Produced Short tons	Sold Short tons	Sold Value
1940	46,072	45,362	$5,187,522
1941	64,680	68,920	8,101,782

Sales by Industries

	Tons 1941	Tons 1940
Ceramics	8,596	6,352
Floor coverings and textiles	6,991	4,752
Paints	30,304	23,268
Rubber	90,429	70,979
Other	12,513	7,862
Total	148,833	113,213

Leaded Zinc Oxide Sales

	Tons 1941	Tons 1940
Paints	67,472	44,341
Rubber	1	.....
Other	1,447	1,021
Total	68,920	45,362

Of the total lead-free zinc oxide produced in 1941, 76 percent was from domestic ore, a fractional percent from foreign ore, 13 percent from metal, and 11 percent from scrap. In 1940, 64 percent was from ore and 36 percent from metal and scrap; in 1939, 59 and 41 percent, and in 1938, 62 and 38 percent respectively.

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B.F. Goodrich Develops New Hard Rubber from Ameripol

Akron, Ohio, Apr. 13, 1942

The B. F. Goodrich Company, this city, has reported development by its research laboratories of a superior type of hard rubber made from 'Ameripol,' the synthetic rubber created by its chemists. The rubber will stand temperatures of 100° F higher than the best hard rubber made from natural crude, according to the company.

Current Market Quotations

Zinc Oxide—Zirconium

—Continued from page 25

Zinc, oxide, pigment, dom., leaded, 35% or more, bgs., c.l., dlvd..lb.	.07	- —
l.c.l., dlvd.....lb.	.07½	- —
bbls., c.l., dlvd....lb.	.07¼	- —
l.c.l., dlvd.....lb.	.07½	- —
French process, com'l, lead free, bgs., c.l., dlvd..lb.	.07¼	- —
l.c.l., dlvd.....lb.	.07½	- —
bbls., c.l., dlvd....lb.	.07¼	- —
l.c.l., dlvd.....lb.	.07¾	- —
green seal, bgs., c.l., dlvd. lb.	.09	- —
l.c.l., dlvd.....lb.	.09½	- —
bbls., c.l., dlvd....lb.	.09¼	- —
l.c.l., dlvd.....lb.	.09½	- —
red seal, bgs., c.l., dlvd. lb.	.08½	- —
l.c.l., dlvd.....lb.	.08¾	- —
bbls., c.l., dlvd....lb.	.08¾	- —
l.c.l., dlvd.....lb.	.09	- —
white seal, bgs., c.l., dlvd. lb.	.09¼	- —
l.c.l., dlvd.....lb.	.09¾	- —
bbls., c.l., dlvd....lb.	.09¾	- —
l.c.l., dlvd.....lb.	.10	- —
imported, gold seal, cks., ex whse..lb.	No prices	
green seal, bbls., ex whse. lb.	No prices	
white seal, cks., ex whse..lb.	No prices	
USP, c.l., 50-lb. bgs.....lb.	.10¼	- —

Zinc oxide prices in l.c.l. are ¼c. higher.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb higher ex whse. Pac. Cst.; 50% leaded is 5.6c per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb.	.32	- .33
Resinate, fused, pale, bbls...lb.	.11	- .12
precip., dms., dlvd.....lb.	.15	- —
Stearate, tech., precip., ctns.lb.	.30	- .31
USP, bbls.....lb.	.30	- .31
Sulphate, cryst., bgs., c.l. 100 lbs.	3.60	- —
l.c.l. .....100 lbs.	4.35	- —
bbls., c.l.....100 lbs.	3.85	- —
l.c.l. .....100 lbs.	4.60	- —
flake, bgs., c.l.....100 lbs.	4.10	- —
l.c.l. .....100 lbs.	4.85	- —
bbls., c.l.....100 lbs.	4.35	- —
l.c.l. .....100 lbs.	4.80	- —
powd., bgs., c.l.....100 lbs.	5.80	- —
l.c.l. .....100 lbs.	6.55	- —
bbls., c.l.....100 lbs.	6.05	- —
l.c.l. .....100 lbs.	6.80	- —
Sulphide, pure,[1] bgs., c.l., (20 tons), dlvd..lb.	.08¼	- —
l.c.l., dlvd.....lb.	.08½	- —
bbls., c.l. (20 tons), dlvd..lb.	.08½	- —
l.c.l., dlvd.....lb.	.08¾	- —
barium, pigment, bgs., c.l., dlvd..lb.	.0560	- —
l.c.l., dlvd.....lb.	.0585	- —
calcium pigment, bgs., c.l., dlvd..lb.	.0560	- —
l.c.l., dlvd.....lb.	.0585	- —
magnesium pigment, bgs., c.l., dlvd..lb.	.05¾	- —
l.c.l., dlvd.....lb.	.06	- —

Zinc sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.

Sulphocarbolate, NF, bbls., dms. lb.	.24	- .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.65	- —
l.c.l., works.....100 lbs.	6.70	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.06	- —
l.c.l., dlvd., E. of Rockies. lb.	.06¼	- —
dlvd. Pac. cst.....lb.	.06¼	- —
ex whse., Pac. cst....lb.	.07	- —
Zirconium nitrate, kgs., works.lb.	3.00	- 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.	75.00	-100.00
white, 98%, grd., kgs., works. lb.	1.80	- 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the April 6 issue; the next printing will be in the May 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market

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N.Y. Paint Club Slate Headed by Gillespie

—Continued from page 5

pany; John H. Calo, of Calo & Lydon; Olav J. S. deBrun, of the Egyptian Lacquer Manufacturing Company; J. E. Falkingham, of the Murray Oil Products Company; A. G. Frankenhoff, of the Dicalite Corporation; Paul S. Kennedy, of the Murphy Varnish Company; W. H. Mathews, of the Devoe & Raynolds Company; Ralph M. Neumann, of the New Jersey Zinc Company; George C. O'Brien, of the Hercules Powder Company; J. P. Surtoc, of E. I. du Pont de Nemours & Co.; E. M. Toby, jr., of the American Mineral Spirits Company, and Ralph H. Everett, Louis Gillespie, Page N. Hamilton, Samuel Klein, Leo Roon and Leo Silverstein.

Alternate delegates for the convention were named as follows:—

William S. Auchincloss, of the Schnell Publishing Company; Stanley H. Doggett, of Stanley Doggett, Inc.; Robert D. Eno, of the Baker Castor Oil Company; C. Homer Flynn, of the Paramet Chemical Corporation; C. W. Griffin, of the Colonial Works, Inc.; B. M. Halpern, of the Branley Paint Machinery Corporation; D. J. Healy, Spencer Kellogg & Sons Sales Corporation; W. W. Higgins, of the United Carbon Company; A. E. Horn, of the A. C. Horn Company; John T. Kealy, of Binney & Smith Company; David H. Litter, of the D. H. Litter Company; James A. Lundy, of Lunco, Inc.; Leon W. Miller, of the Barrett division of Allied Chemical & Dye Corporation; Earl J. Nelson, of the Aluminum Company of America; John Sellon, of the American Zinc Sales Company; Leo Sklarz, of the United Color & Pigment Corporation; B. M. Van Cleve, of the Sherwin-Williams Company, and James S. Wolf, of Standard Varnish Works.

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Louisville Paint Up Drive to Start May 2

Louisville, Apr. 17, 1942

One of the most ambitious clean up-paint up campaigns ever attempted in the United States will get under way in this city April 20, under the direction of the Louisville Paint, Varnish and Lacquer Association. It will continue until May 2.

J&L TOLUOL
J&L STEEL
HIGH QUALITY PRODUCTS MADE BY J&L
BENZOL • TOLUOL • XYLOL • PYRIDINE
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Low Temperature Carbonisation, Ltd.
ENGLAND
Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.
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This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.
Please send us a note of your requirements with full particulars to our Sales Agents:—
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"Garthlands," Reigate Heath, SURREY, ENGLAND

Paint, Varnish, Lacquer Materials

Natural Resins Use Limited to 50 Percent of 1941—Hide Glue Schedule Amended—Zinc Oxide Dealers Meet With OPA—Rosin Lower

The War Production Board last week issued a conservation order limiting the use of natural resins in any calendar quarter to 50 percent of the amount used in the corresponding quarter of 1941 (complete details on page 7).

The hide glue price schedule was amended last week so that transportation charges in excess of 75c. per hundredweight may be added by sellers. The amendment was to encourage rail shipments from the West Coast to the Eastern seaboard. The OPA explained that, in the past, three-fifths of the hide glue output of a large San Francisco factory was shipped to the East by water. Under existing war conditions this producer must ship by rail at considerably higher freight rates, the OPA added. The amendment became effective April 18.

Zinc oxide dealers and exporters met with the OPA last Friday to discuss dealer and exporter margins, and sales of oxides in small quantities. If details of the meeting were available at press time they will be found on page 4.

Markets for paint raw materials were little changed last week. War industries continued to monopolize business. Pigments and dry colors remained tight and in heavy call. Casein was quiet. Rosin again weakened in Southern and local markets. Demand continued slow and offerings were somewhat freer, especially in the case of pale descriptions. Turpentine was steady, though quiet.

The Civil Aeronautics Board has amended part 14 of the civil air regulations to permit the use of opaque finishes on wood propellers.

Metallic Lead and Zinc

Demand for slab zinc and pig lead was little changed last week. Suppliers continued to allocate sales as call was running well ahead of available supply. Prices were steady and unchanged. Zinc production in the United States rose to 79,139 tons in March from 73,476 in February, and compared with 70,341 in the like month of 1941. Stocks on hand at the end of March totaled 21,702 tons, against 22,626 a month earlier and 13,345 a year ago. Shipments last month amounted to 61,564 tons, compared with 59,957 in February and 65,011 a year ago.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from April 11 to April 17, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	* .. .. ..
Monday	.0650	.0635	.. .. ..
Tuesday	.0650	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Price Changes

Advanced

None

Reduced

Rosin, gum, 2c. to 57c. per 100 lbs.
Turpentine, gum, 1¼c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
141.4	141.4	140.2	128.0

Market news that may have developed after this report was sent to press will be found on page 4.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from April 11 to April 17, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0865	$0.0825	* .. .. ..
Monday	.0865	.0825	.. .. ..
Tuesday	.0865	.0825	.. .. ..
Wednesday	.0865	.0825	.. .. ..
Thursday	.0865	.0825	.. .. ..
Friday	.0865	.0825	.. .. ..

* London exchange closed.

Pigments

Antimony White. — Not offered. Prices withdrawn.

Blue Lead.—Good movement. Demand holding. Prices steady.

Litharge.—Market unchanged. Demand at previous levels. Prices steady.

Lithopone.—Demand continued to outstrip available supplies, and allocations remained effective.

Red Lead.—Similar to the other oxides demand held well. Quotations unchanged.

Titanium Pigments.—An easing was reported in the market demand, although the situation still was characterized as tight. More material was available to non-war consumers. Prices were steady.

White Lead.—Movement held to previous levels. Prices firm.

Zinc Oxides.—Demand very heavy. Offerings limited and sales allocated. Large movement to war industries. Prices unchanged and stable.

Fillers and Extenders

Asbestos.—Market holding firm. Demand fair.

Asphaltum.—Movement at good levels. Demand fair. Prices steady.

Casein

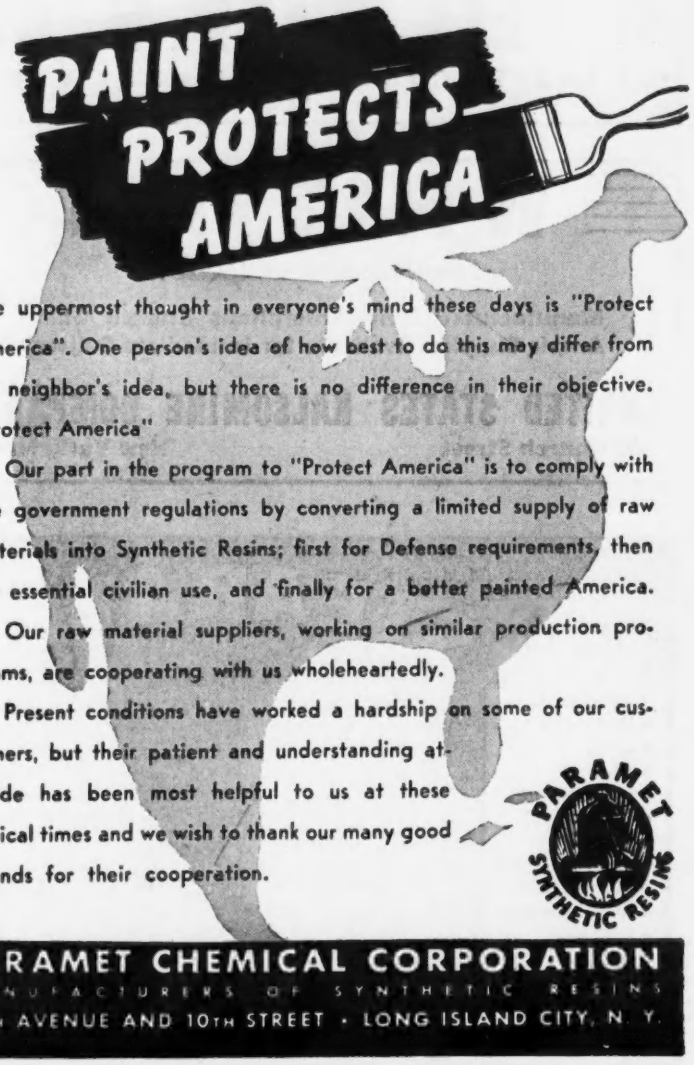
Final figures from the Argentine indicate that 1941 production of casein amounted to 60,000,000 pounds. This compares with the annual average for the four-year period ending 1940 of only 42,925,000 pounds. Exports from the Argentine in 1941 amounted to 72,725,000 pounds, against 44,004,000 in the previous year. In 1941 the United States took 45,271,000 pounds of the Argentine casein or 62.2 percent of the entire exports from that country. The United Kingdom, in turn, took 23.5 percent of the exports or 17,086,000 pounds.

Indications are that the 1942 exports of casein from the Argentine will be below those of last year. Exporters are encountering great difficulty in obtaining freight space for their product, shipping companies tending to handle more expensive commodities.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Society for Testing Materials, Memphis, Tenn., annual meeting, June 22 to 26.



The uppermost thought in everyone's mind these days is "Protect America". One person's idea of how best to do this may differ from his neighbor's idea, but there is no difference in their objective. "Protect America"

Our part in the program to "Protect America" is to comply with the government regulations by converting a limited supply of raw materials into Synthetic Resins; first for Defense requirements, then for essential civilian use, and finally for a better painted America.

Our raw material suppliers, working on similar production programs, are cooperating with us wholeheartedly.

Present conditions have worked a hardship on some of our customers, but their patient and understanding attitude has been most helpful to us at these critical times and we wish to thank our many good friends for their cooperation.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

Machine Shop Borings are "Pay Dirt" for Calco

In peace time or war, Calco's needs for iron of high purity mean that thousands of pounds of machine shop "waste" serve a highly useful purpose. We use this humble material in the production of certain dyes, aniline oil and several intermediates.

But there's more than one stiff requirement such material must meet before it qualifies for Calco's use. Depending on its application, it must conform closely to one of five different size specifications. For each use, the percentage of available iron must be uniformly high—and extraneous foreign matter in appreciable amounts means prompt rejection.

This naturally means that each lot of this important raw material must receive many and careful laboratory tests before it is used. For the simple reason that the quality of *all* Calco dyes and other products begins with the raw materials from which they are produced.

Calco Dyes are Better Buys
Calco

CALCO CHEMICAL DIVISION
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Boston • Philadelphia • Providence • New York • Charlotte • Chicago

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Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• PHILADELPHIA
• DALLAS
• MEMPHIS
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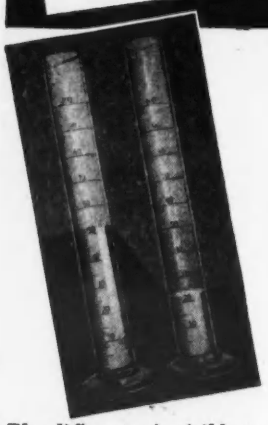
LABORATORY CONTROL makes the difference!



The difference is visible to the naked eye. More important — see the difference it makes in your products . . . in easier, better manufacture. An exclusive method of Laboratory Control assures *positive* control of top quality raw materials, cleaner washing and maximum water insolubility. Write for samples, a glance tells you the story.

FLUFFIER, FINER METASAP assures greater volume. Here's actual photographic proof! Metasap (in Graduated Glass Cylinder at left) weighs exactly the same* as competitive metallic soap (right). Yet Metasap registers volume of 52 cubic centimeters . . . coarser competitive product has volume of 23 cubic centimeters.

* Each sample weighed 10 grams.

A Few of the Products Now Improved by Metasap Metallic Soaps

OILS AND GREASES • PAINTS AND VARNISHES
RUBBER • PLASTICS • CEMENT • COSMETICS
PRODUCTS MADE IN METAL WORKING PLANTS

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CHICAGO BOSTON LOS ANGELES
CEDARTOWN, GEORGIA

REG. U. S. PAT. OFF.
METASAP CHEMICAL COMPANY
Stearates Palmitates
OF ALUMINUM, CALCIUM, LEAD, ZINC
A Division of National Oil Products Company

Barytes.—Offerings normal. Demand good. Quotations unaltered.

Blanc Fixe.—Fairly large movement into consuming channels reported. Prices unchanged.

Charcoal.—Movement held steady. Prices unchanged.

China Clay.—Good call for both domestic and imported material.

Diatomaceous Earth.—All grades in fairly large demand. Prices steady.

Fullers Earth.—Good call. Tone stable.

Graphite.—Movement held well. Demand good. Prices firm.

Gypsum.—Routine trade reported. Market steady.

Mica.—Satisfactory movement of wet-ground material to the paint trade. Quotations unaltered.

Talc.—All types in fair demand. Offerings normal. Prices firm.

Whiting. — Satisfactory movement. Tone stable.

Driers

Movement to consumers remained fairly free last week. Conditions were little changed but producers were keeping a careful check on supplies, due to the increasing difficulty in securing raw materials. No prices were changed.

Dry Colors

Alkali Blue Toner. — Good call. Price firm.

Bone Blacks.—Movement holding. Tone stable.

Cadmium Colors.—Very tight. Offerings limited.

Carbon Blacks.—Good call. Rubber industry takings smaller.

Chrome Colors.—Producers encountering more difficulty in obtaining basic materials.

Lithol Toners. — Offerings fairly large. Demand good.

Mercuric Oxides. — Market tight. Prices firm.

Ochers.—Normal trade. Prices firm.

Siennas.—Fairly large demand reported. No price changes.

Vermilion. — Routine call. Price steady.

Naval Stores

Business in rosin and turpentine in Southern and local markets continued quiet last week. Consumption appeared to be steady and liberal in war and other industries, but consumers and dealers were still disposed to hold off in the matter of placing new contracts. In such circumstances the trend of rosin was again downward, while turpentine did not show much rallying power, although the tone of the primary position appeared to be steadier than recently. Some think the decline in prices has discounted the slowing down of new business and whatever else there is bearish in the situation, especially as much uncertainty exists concerning production this season as a result of the labor situation, the shortage of suitable help apparently being on the increase.

Turpentine.—The local market continued quiet last week. In some quarters a fair inquiry was noted, but purchases were generally limited to small lots to fill current needs.

Savannah, April 17.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	58¼	5,000	34	295	7,367
Tuesday	58¼	8,500	177	463	7,081
Wednesday	58¼	6,750	171	1	7,251
Thursday	57	15,700	155	228	7,178
Friday	57	5,300	39	1	7,216

* No trading.

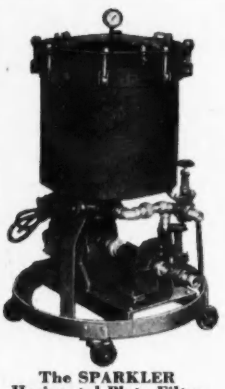
Jacksonville, April 17.—Turpentine stock, 4,313 barrels.

Chicago—April 17

Turpentine quiet. Ruling prices last night were:—Five-drum lots, 80c. per gallon; five wood barrels, 85c.; single drums, 83c.; single barreis, 88c.

London, April 17.—Turpentine, 68s. 6d. per cwt.

Rosin.—The market here was easier in company with developments in the primary center where the trend of prices was again downward. Business continued quiet, purchases gen-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THE SPARKLER FILTER FOR NATURAL GUMS OR HOT SYNTHETICS
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KRUMBHAAR
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PHENOLICS and MALEICS
FOR
REPAIRS UNDER P-100

erally being limited to comparatively small quantities.

Savannah, Apr. 17.—Following is a record of the rosin market for the week:—

	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
	Price per unit—Low of range quoted—					
B	...	$2.50	$2.45	$2.40	$2.35	$2.35
D	...	2.65	2.60	2.60	2.60	2.60
E	...	2.75	2.70	2.70	2.70	2.70
F	...	2.80	2.78	2.78	2.78	2.78
G	...	2.85	2.83	2.83	2.83	2.83
H	...	2.85	2.83	2.83	2.84	2.84
I	...	2.85	2.84	2.84	2.85	2.85
K	...	2.95	2.94	2.90	2.91	2.91
M	...	3.05	3.05	3.01	2.93	3.03
N	...	3.10	3.10	3.10	3.10	3.10
WG	...	3.87	3.20	3.20	3.21	3.30
WW	...	3.92	3.92	3.26	3.26	3.35
X	...	3.92	3.92	3.26	3.26	3.35
		Barrels				
Sales	...	189	207	142	190	9
Receipts	...	150	400	374	6,243	147
Shipments	...	188	162	95	6,221	187
Stocks	...	...	...	...	...	42,755

* No trading.

Jacksonville, April 17.—Rosin stock, 186,357 barrels.

Chicago—April 17

Rosin fairly active. Ruling prices last night in five-drum lots were:—B grade, $4.03 per 100 pounds net; G, $4.25; M, $4.47; W.W., $5.96.

London, April 17.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Steady movement to local and other consumers on unfilled contracts. Spot oil in light supply and nominal.

Pitch.—Local situation featured by firm tone. Stocks light. Demand good.

Rosin Oil.—Fairly active demand from local and other consumers.

Tar.—Selling schedules maintained. Tone firm. Business active.

Lacquer Materials

The market for lacquer materials was devoid of new developments last week. War requirements for nitrocellulose continued heavy. The supply situation on acetone and several other solvents remained easier due to the conversion of various manufacturing plants to war work.

Acetone.—Position unchanged. Price ceiling rules.

Butyl Alcohol.—Business largely on priority basis. Much being used for butyl phthalate. Normal under price ceiling.

Butyl Acetate.—Transactions governed by priorities. Normal and secondary unchanged.

Diamyl Phthalate.—Demand at good level. Quotations same.

Dibutyl Phthalate.—No new developments. Prices unaltered.

Diethyl Phthalate.—Market shows no change as regards activity or prices.

Dimethyl Phthalate.—Demand at recent level. Pricewise, no change.

Ethyl Acetate.—Deliveries continue heavy. Product quotably unaltered.

Ethyl Cellulose.—Civilian supply extremely light due to heavy war call. No change in prices.

Ethyl Lactate.—Position unaltered. Prices unchanged.

Ethyl Oxalate.—No new developments. Pricewise, no change.

Isopropyl Acetate.—Business largely on priority basis. Quotations show no alteration.

Nitrocellulose.—Heavy war requirements leaving little for civilian use. Prices unchanged.

Tricresyl Phosphate.—No new developments in market. Material under allocation. Prices same.

Shellac

The feature, beyond all question, in the shellac market was the War Production Order M-106, issued and effective April 14, and limiting the amount of shellac available for making talking machine records. Output of records for and "radio transcriptions" was reduced approximately to 30 percent of 1941 output. The same order froze 50 percent of all shellac stocks of 10,000 pounds or more, and also 50 percent of all future imports. Full details appear elsewhere.

The Office of Price Administration has also increased the surcharge it permits sellers of shellac to add to the official requested prices at which the market is stabilized. Bonedry prices carry an additional charge of 7c. per pound, and orange gum prices add 21 percent to the prices as frozen by agreement. Finally, 20c. per gallon may be added to shellac varnish prices. These higher surcharges were permitted to cover the rise in marine and war risk insurance.

Varnish Gums

The WPB has issued an order limiting use in any calendar quarter to 50 percent of the amount used in the corresponding quarter of 1941.

Synthetic Resins

Ester Gum.—Movement smaller as stocks were further reduced. Prices firm and unchanged.

Chlorinated Rubber.—Offerings curtailed due to tight stocks. Prices firm.

Glues and Binders

Casein. — Market dull. Demand small. Prices steady and unchanged.

Glues.—Hide glues in heavy call, with offerings limited. Good movement to war industries. Prices steady.

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Oxygen Equipment Manufacturing Company, this city, has filed a certificate of voluntary dissolution in the office of the secretary of New York State.

Shellac Order M-106 Affects Uses, Stocks

—Continued from page 5

tically the United States' sole source of shellac and supplies are subject to shipping hazards. Direct military requirements are heavy and use of shellac is necessary in certain essential civilian processes. These uses are excepted from the restrictions of the order:—

Electrical equipment, coatings for munitions, military explosives and pyrotechnics, navigational and scientific instruments, communication instruments, marine paints for vessels other than pleasure craft, grinding wheels, wood patterns for metal castings, health supplies as defined in P-29, and in scientific research.

Persons who had on April 1 possession or control of 5,000 pounds of shellac are required to file with the War Production Board by May 9 a report on Form PD-334. Shellac is defined in the order as lac of all grades, but does not include lac which has been bleached, cut, or incorporated into protective or technical coatings. Stocks frozen by the order may be sold to the Defense Supplies Corporation.

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W.H. Gardner Quits Shellac Research for WPB Post

William H. Gardner has resigned his connection as research fellow, Shellac Research Bureau, Polytechnic Institute of Brooklyn, Brooklyn, N. Y., to accept an appointment as consultant on the chemical and related products, specifications branch, of the War Production Board's Bureau of Conservation. In this capacity he will be concerned with specification and conservation problems in such fields as preservative coatings, soap and other detergents, and related products.

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H. C. Gerlach has joined the C. B. Coburn Company, chemicals, paints, oils, Lowell, Mass., as sales manager.

ZINC IN WAR
"Keep Em Healthy"
It is rather ironic that zinc is used in the brass for shells that wound men—and in pharmaceuticals that heal them. Such is the futility of wars, yet such is the widespread importance of zinc when wars are thrust upon us. The use of zinc oxide in the preparation of adhesive tape, ointments and other medicinal products is one which carries an unquestioned preference rating. Pharmaceutical (U.S.P.) zinc oxide is the purest type of zinc oxide known and it is characterized by several outstanding qualities. It is protective, mildly astringent and adhesive. The exceptional fineness and whiteness of this zinc oxide makes it especially suitable in ointments, dusting powders and adhesive tape.
While most of the war uses, shown in the index of this book, involve larger tonnages of zinc than U.S.P. zinc oxide, few are more important from a utility standpoint. The needs of the Medical Departments of our armed forces are just another reason why civilian users of zinc may not be able to obtain all of the metal or pigment they would like to use.
THE NEW JERSEY ZINC COMPANY
MANUFACTURERS OF THE FAMOUS HORSE HEAD ZINC PRODUCTS
7 PHARMACEUTICALS
METAL SPRAYING
GALVANIZING
NICKEL SILVER
1 HULL PLATES
2 RUBBER
3 PAINT
4 BRASS
5 CERAMICS
6 DIE CASTING
New Jersey Zinc

IDENTICAL

The known consistency of our Metallic Stearates is your guarantee of uniform performance.

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SOVASOLS

SOVASOL No. 1 — Excellent General Rubber Solvent. Quick-Drying —Has Balanced Volatility.

SOVASOL No. 2—Fast-Drying Lacquer Diluent and Rubber Cement Solvent. Chemically Stable.

SOVASOL No. 3—Thinner for Lacquer, Lacquer-Enamel and Fast-Drying Varnish. Stable—Non-Corrosive.

SOVASOL No. 4—Varnish-Makers' and Painters' Naphtha for Quick-Drying Paints and Varnishes.

SOVASOL No. 5—Highly Refined. Colorless, Odorless Paint — Varnish Thinner.

SOVASOL No. 6—Excellent Paint Retarder. Safe, clear, free from objectionable odor.

Socony-Vacuum Oil Co., Inc.

26 BROADWAY, NEW YORK CITY

Natural Resins Use Restricted

—Continued from page 7

marking paints, spirit label varnishes and toy and novelty finishes is prohibited entirely.

The WPB said that asphaltic and pitch bases can be used as a substitute for some of these products and pine resin is adaptable to others, but for the slick varnish finish on pencils and playing cards no substitute is known, it was added.

The restrictions do not apply to Army, Navy or lend-lease contracts; nor to use as a non-corrosive finish in chemical plants; in research laboratories; in vessels other than pleasure craft, or in health supplies.

Natural resins have been the substitute in civilian use for the synthetic resins needed for war purposes. Before the war, synthetic resins consumed widely in the manufacture of plastics also were used to make paints and varnishes, but as war needs for these alkyd and phenolic resins were foreseen, paint and varnish makers were advised to go back to natural resins, which they have done.

Unfortunately, however, natural resins, which are sap from fossilized trees, come only from such widely-separated parts of the world as New Zealand, the Philippines, Batavia, Singapore, the East Indies, India and Africa. None are found in this country or even in this Hemisphere.

The conservation order issued today applies to the manufacture of the products containing natural resins and does not restrict the sale of paints or varnishes already manufactured. Industries will be required to file quarterly inventory reports with the Board on form PD-339.

The order defines natural resins as meaning all natural resins, except Congo Copal and pine rosin and products made therefrom, in their natural state, run, esterfied, fused, or otherwise processed, but shall not include prepared protective or technical coatings in a state ready for application on the effective date of this order.

'Inventory' in the order is defined as that which a person shall include the inventory of affiliates and subsidiaries of such person, and the inventory of others where such inventory is under the control of or under common control with or available for the use of such person, and shall include natural resins purchased by him for future delivery.

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Glidden Adds to Personnel

The Glidden Company, paint manufacturer, Cleveland, has made Clarence B. Wright sales manager for the Southeastern division, located at Atlanta. Keller R. Waugh has been made a trade sales representative in central Tennessee. He will make his headquarters in Nashville. Kenneth Wedgewood has been made special sales manager for warter-thinned paint products for the Chicago and Minneapolis divisions.

Chemical Foundation to Move

After April 25 the Chemical Foundation will have its offices in 40 Wall street. The Foundation has long been at 654 Madison avenue.

VANADISET TRADE MARK REGISTERED Plastic Resin

MOLDING COMPOUNDS
VARNISHES
LACQUERS

A Product of

WILSON CARBON COMPANY

122 EAST 42ND ST., NEW YORK CITY

PROMPT SHIPMENT All Grades of SILICAS

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USE SILVATEEN FOAM AA TO REPLACE GERMAN IMPORTED SILICA — NEUBERGER CHALK

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Distillers of Coal Tar Products

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Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION

Importers, Refiners, Manufacturers — 62 TOWNSEND STREET, SAN FRANCISCO, CALIF. — *4½ million gal. U.S. Gov't Bonded Tank Storage*

Oils, Fats, and Waxes

Linseed Oil Reduced by Crushers—Flaxseed Easier in Domestic Markets—March Cottonseed Oil Consumption Smaller Than Expected — Hogs and Lard Firm — Business Quiet

The market for miscellaneous oils, fats and greases continued quiet last week. Some products moved in a fair volume on contracts previously placed but new business remained slow, the attitude of buyers and sellers in many cases still being a waiting one. The prevailing tone was firm though quotations were still generally nominal in the absence of any increase in offerings. In some quarters there was a disposition to take a rather more cheerful view of the outlook, this apparently being due to persistent reports of an impending revision of ceiling prices.

A setback in flaxseed prices in domestic markets was reflected in a reduction in quotations on linseed oil. Cottonseed oil futures were quiet and firm at ceiling prices. Offerings of crude cottonseed oil continued scarce. Soybean futures were irregular within moderate limits. Hogs and lard remained firm.

Vegetable Oils

Castor, Dehydrated.—Inquiry good. Output moving steadily to local and other consumers. Market firm.

Chinawood.—Quiet in regular trade channels owing to lack of supplies. Reports of occasional resale transactions. Quotations nominal. Importations at New York last week 500 tons and 2,500 drums.

Coconut.—Local and Coast market quiet owing to absence of offerings. Quotations nominal.

Corn. — Offerings still generally lacking and market quiet and nominal.

Cottonseed.—Moderate lots of edible oil in fair request. Quotations stationary.

Oiticica.—New developments lacking here. Primary conditions apparently unchanged. Now covered by order M-57, applying same rating and other restrictions as chinawood oil.

Olive.—Domestic edible oil steady. Fair inquiry. Imported nominal owing to scarcity.

Rapeseed.—Nominal quotations unchanged. Market quiet.

Soybean.—Consumption reported to be holding up well. New business quiet in absence of offerings.

Linseed Oil

A moderate reduction in linseed oil prices last week was a reflection of a setback in flaxseed quotations in domestic markets which was attributed by some mainly to technical speculative conditions rather than to any real change in the underlying flaxseed situation. The reduction in linseed oil quotations followed a series of advances which carried prices upward more than two cents a pound in a comparatively short time.

The reactionary tendency of flaxseed and oil prices was apparently without effect last week on sentiment in trade circles concerning the outlook for linseed oil business and prices in the long run. The stoppage of private building in this country is expected to curtail consumption, but it is contended that the reduced use of oil in this field is likely to be more than offset by the large and steadily growing consumption in war industries as well as in the manufacture of edible products.

Price Changes

Advanced

None

Reduced

Linseed oil, 2/10c. per lb.
Soybean meal, $2 per ton.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
194.6	194.8	194.2	143.8

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—April 17

Vegetable oils in fair demand. Corn oil, crude, mills, 12¾c. per pound; refined, edible oil, 15½c. to 15¾c. per pound, drums, car lots; 16c. to 16¼c., drums, less car lots. Peanut oil, crude, South, 13c. per pound. Soybean oil, crude, mills-April-forward, 11¾c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 17	Closing Apr. 19
May	$1.88¾	$1.83½	$1.83½	$1.86⅞
July	1.90½	1.85¼	1.86⅛	1.89⅛

San Francisco—April 15

Light offerings and quiet trade generally featured vegetable oils.

Babassu, Crude.—Nominal at 10.67c. per pound, tankcars, f.o.b.

Castor, Dehydrated.—Supplies very tight here; deliveries on contract fair. Unbodied, 19.7c. per pound in drums; bodied, 20.7c.

Cottonseed, Crude.—Quoted 12½c. per pound, tankcars, valley points.

Soybean.—Quoted 12¾c. per pound, tankcars.

Linseed Oil

Flaxseed easier in domestic markets. Linseed oil reduced. Meal steady.

Minneapolis, April 17.—Cash flaxseed quieter, assurance of ample stocks and dullness in oil causing crushers to curtail purchases. Cash premiums faded sharply except on high grades. Receipts larger than expected. Stocks in local public warehouses decreased 50,000 bushels in four days, against 175,000 decrease last year. Futures quiet. Longs liquidated, partly on stop orders. Reports of increased Argentine shipments and Washington action on inflation caused selling. No Pacific Coast hedging. Shorts chief buyers.

The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$2.60	$2.53	$2.55½
Monday	2.58	2.51	2.52½
Tuesday	2.55	2.48	2.49
Wednesday	2.56½	2.49½	2.51
Thursday	2.58½	2.51½	2.53½
Friday	2.60½	2.52½	2.54

Crop movement in bushels follows:—

	Receipts 1942.	Receipts 1941.	Shipments 1942.	Shipments 1941.
This week	148,600	176,400	28,000	49,000
Since Sept. 1.	9,974,000	2,604,800	1,951,200	699,500

Duluth, April 17.—The week's closing flaxseed price range was as follows:—

	Cash.	May.
Saturday	$2.53	$2.53
Monday	2.51	2.51
Tuesday	2.48	2.48
Wednesday	2.49½	2.49½
Thursday	2.51½	2.51½
Friday	2.52½	2.52½

Buenos Aires, April 7.—Flaxseed, $1.54 per bushel. Exports this week, 477,000 bushels, including 370,000 to the United States. Total since January 1 as follows:—

To—	Bushels This year.	Bushels Last year.
United States	5,114,000	3,700,000
United Kingdom	395,000	637,000
Continent	169,000	327,000
Orders	.....	.....
Others	8,000	297,000
Totals	5,686,000	4,961,000

Visible Supply

	Bushels.
Last week	29,921,000
Previous week	28,714,000
Last year	6,290,000

Hull, April 10.—Flaxseed, La Plata, £20⅛ per long ton; Bombay £21⅛.

Linseed Oil.—The local market was easier, influenced by a downward trend in flaxseed prices. Oil quotations were reduced two points by crushers. Business was generally reported as quiet, consumers and dealers still being disposed to await further developments in Argentina and domestic markets for flaxseed as well as in the crop situation in this country. Shipments on contracts held up well and operations at the mills here and at other centers continued at full capacity. The announcement of an increase in flaxseed crop loans for 1942 to $2.35 to $2.45 per bushel at terminal points and $2.20 on the farms was regarded in trade circles as likely to have a bullish influence on seed and oil prices.

Minneapolis, April 17. — Linseed oil buying orders scant and of the fill-in type. Most consumers have bulk of summer requirements covered. Shipping instructions on maturing contracts are

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Tung Oil Association, annual convention in the Admiral Sims Hotel, Mobile, Ala., May 1 and 2.

National Cottonseed Products Association, Rice hotel, Houston, Tex., May 4 and 5; Valley Division, Hot Springs, Ark., April 20 and 21; Texas, Baker hotel, Mineral Wells, June 8 and 9.

National Oil Mills Superintendents' Association, Texas hotel, Fort Worth, May 21 and 22; Tri-States, Hotel Claridge, Memphis, Tenn., May 14 and 15.

Tri-States Oil Mill Superintendents' Ass'n, annual convention, Hotel Claridge, Memphis, Tenn., May 7 and 8.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

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(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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(RED OIL)
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ESTABLISHED 1837 FACTORY: NEWARK, N. J.
ASHLAND 4-8251 CABLE: GROSSRAY

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MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
Codes: Yoppa, Robinsons, Bentleys A B C, 5th Edition Peerless

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STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
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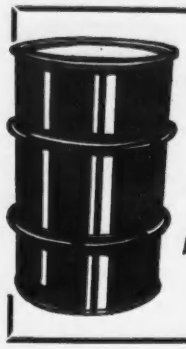
Stocks in All Principal Cities

prompt. Crushers still have large backlog of orders. Small-lot business much below normal this season owing to decline in building. Tankcars quoted 13c. per pound; cooperage, car lots, 13.9c.; warehouse lots, 14.3c.



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HYDROGENATED FATTY ACIDS
(Rufat 52)
STEARIC ACID
RED OIL
(Oleic Acid)

WILSON & CO INC

WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Shipments of oil in pounds were as follows:—

	1942.	1941.
This week	4,700,000	6,150,000
Since Sept. 1	144,750,000	118,530,000

San Francisco, Apr. 16.—Linseed oil quiet. California flax crop prospects generally favorable except moderate damage by recent frosts in San Joaquin and Imperial Valleys. Oil quoted:—Tankcars, 13.1c. per pound; drum car lots, ex mill, 14c.; drum lots, ex warehouse, 14.4c.

Chicago, April 17.—Linseed oil quiet. Tankcar, 13.2c. per pound; drums, car lots, 14.1c.; drums, less car lots, 14.5c.

London, April 17.—Linseed oil, 41s. 6d. per cwt.

Linseed Meal.—The local market remained steady. New business quiet. Contract movement fair.

Minneapolis, April 17.—New linseed meal business quiet. Weather and pasturage improving. Weakness in feed grains and price ceiling talk curb bullish sentiment. Resellers dominate market. Car lots, bulk, $36 to $37 per ton.

Shipments of meal in pounds were as follows:—

	1942.	1941.
This week	6,920,000	7,080,000
Since Sept.	304,820,000	248,109,000

Chicago, April 17.—Linseed meal quiet. Round lots, $39 per ton, nominal; car lots, $39 to $40; less car lots, $41 to $41.50.

Cottonseed Oil

Refined oil futures stationary. Consumption figures small. Southern markets quiet.

Cottonseed Oil.—In the absence of action at Washington in regard to the expected upward revision of ceiling prices for oils and fats, trading in refined cottonseed oil futures remained at a standstill. The tone of the market continued firm, quotations holding at ceiling levels throughout the week. The open interest in the market April 15 was 407 contracts. Crude oil was firm in the South with offerings scarce. Competing oils and fats were also scarce and firm here at maximum prices recently prevailing.

A development of interest was the publication of the monthly cottonseed report from the Census Bureau. This showed that only 225,288 barrels of refined oil were consumed during March as compared with earlier trade estimates of 240,000 to 275,000 barrels. In the previous month 254,778 barrels were consumed. In March last year the consumption was 317,622 barrels. During the first eight months of the current season consumption was 2,002,512 barrels, or 443,000 barrels less than in the same time last season.

Live hogs were generally firm in Western markets at around recent peak prices. Receipts in the principal Western centers for four days of the week aggregated 248,600 head against 231,123 head in the same time last year. The weight of the hogs received in Chicago during the week ended April 11 average 247 pounds against 243 pounds in the previous week. The government announced the purchase of 17,492,320 pounds of lard, 15,680,000 pounds of margarin and 217,500 pounds of edible tallow in the week ended April 11. Weather and cotton crop news was more favorable.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 13 to April 17, inclusive, comprised 6 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	13.98	13.98	13.98 bid
July	....	....	13.98 bid

Crude, Southeast, 12⅝c. nom.

Chicago, April 17.—Cottonseed oil fairly active. Refined, edible oil, 16¼c. to 16½c. per pound, drums, car lots; 16¾c. to 17c., drums, less car lots.

Hull, April 17.—Cottonseed, refined, 36s. 6d. per cwt.; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Southern markets continued to be reported as quiet, with offerings generally light.

Markets at Other Centers

Atlanta—April 17

Cottonseed products quiet. Meal $40 per ton, Southeastern points, a reduction of $1. Prime crude oil 12⅝c. per pound, the ceiling. Weather favorable and land preparation for cotton making rapid progress. Planting reported well under way in the lower South. Some planted in upper belt. Delays are expected because of slow fertilizer shipments.

Memphis—April 16

Crude cottonseed oil remains at standstill. Mills sold close to seed on hand. Meal, $35.50 per ton, Memphis basis. Bulk cake, $31.50 per ton, Mississippi points. Trade quiet. Bulk hulls, $6 per ton, mill points. Weather favorable for field work which is somewhat backward to date. Closing cottonseed meal quotations on Memphis exchange as follows:—

	April 9	April 16
May	$36.30@36.50	$35.00@——
July	37.30@37.60	35.75@——
October	38.15@38.50	36.85@37.00

Closing soybean meal futures:—

May	$37.60@38.00	$35.35@35.75
July	37.65@38.00	35.40@35.70
October	36.65@37.50	35.50@——

Fatty Acids

Castor Oil.—Output moving steadily to local and other consumers on contracts.

Coconut Oil.—Raw material reported scarce. Quotations nominal.

Cottonseed Oil.—Fair demand for moderate lots. Raw material firm. Quotations maintained.

Red Oil.—Consumption reported to be steady and liberal. Market firm.

Stearic Acid.—Quotations held at former levels. Trade fairly active.

Chicago—April 17

Fatty acids fairly active. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less car lots; coconut oil, distilled, 17c. to 17½c. per pound, tankcar; 17½c. to 18c., drums, car lots; 18c. to 18½c., drums, less car lots; cottonseed oil, double distilled, 13c. to 13½c. per pound, tankcar; 13½c. to 14c., drums, car lots; 14c. to 14½c., drums, less car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down cottonseed soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3¾c. to 4c.

Fish Oils

Cod.—Primary situation firm. Offerings still light. Quiet here.

Sardine.—Local refined situation featured by light stocks and firm tone. Fair inquiry.

Sperm.—Still under full priority control. Quotations stationary.

The WAR PRODUCTION BOARD *Orders:*

NO MORE GLYCERIN IN SOAPS

therefore,

WOBURN suggests that those soap manufacturers not equipped to extract glycerin from their oils and fats consider the purchase of glycerin-free Fatty Acids from the WOBURN COMPANY for direct conversion to soaps.

Our Prices Are Right — Our Quality Is the Highest

Woburn Fatty Acids Reduce the Cost of Making Soaps

Consult our technical department for advice on the proper Fatty Acids to be used in making your special soaps.

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For highest grade alkyd resins and a drying oil of superior quality, use Woburn Fatty Acids and Woburn Dehydrated Castor Oil

Markets at Other Centers

San Francisco—April 16

Supply of crude fish oils exhausted. No oil likely to be manufactured for several months.

Baltimore—April 17

Crude menhaden oil quiet, buyers and sellers still awaiting developments regarding ceiling prices. Unsold stocks small. Four companies located on the Florida Coast have started fishing. Catch fair, but oil content of fish small as usual at the opening of the season. Refined oil steady.

Fats and Greases

Grease.—Consumption reported to be steady and liberal though new business quieter. Market firm.

Lard.—Fair demand for cash product from local and other buyers. Market firm. Western stocks steadily decreasing.

Stearin.—Demand fairly active. Local stocks light or moderate. Tone firm.

Tallow.—Quotations stationary. Market firm. Inquiry fairly active. Offerings generally light.

Chicago, April 17.—Fats and greases quiet. Offerings moderate. Choice white grease, 9.71c. per pound; prime stearin, 10½c. per pound; yellow stearin, 9¼c.; inedible tallow, prime, 9.71c. Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Apr. 17	Closing Apr. 10
Cash	$12.69½	$12.69½	$12.69½	$12.69½
May	12.82	12.82	12.82	12.82
July	12.82	12.82	12.82	12.82

Animal Oils

Degras.—Supplies generally light, common and neutral. Good inquiry. Market firm.

Lard.—All grades in demand. Quotations maintained. Tone firm.

Neatsfoot.—Steady movement to local and other consumers and dealers. Stocks light or moderate. Market firm.

Oleo.—Increase noted in demand for moderate lots. Stocks reported light on spot.

Chicago, April 17.—Animal oils more active. Lard oil, No. 1, 14½c. per pound; oleo oil, extra, 13c.; oleo oil, prime, 12¾c.; acidless tallow oil, 14½c. per pound, barrels.

Waxes

Bees.—Strong and active at well maintained prices.

Candelilla.—Values well held in all quarters. Little to no competition. Stocks conservative. Closely held.

Carnauba.—Business done under mollifying and modifying influence of OPA price suggestions. The suggested prices are the law of present trade. Demand good. No unsettlement sighted.

Japan.—Not much doing. Holders not worried. Maintain prices.

—V—

Trade Briefs

Scandinavian Oil Company has moved from 79 Wall street to 104 Front street, this city.

Veteran Druggists' Association, Baltimore, met last week, with Dr. George A. Bunting, president of the Noxema Chemical Company, as guest speaker.

R. W. Franz has been named Cincinnati sales manager for the Continental Can Company. He succeeds R. L. Perin, who has been appointed Pacific Coast manager.

Walter C. Pew, general manager and director of the Sun Oil Company, Philadelphia, has been commissioned a major in the Army's ordnance department and named chief of the planning and procurement division of the Philadelphia ordnance district.

Atlantic Coast Fisheries Company, supplier of vitamin oils, has leased more than 30,000 square feet of space in the Port of New York Authority building, 111 Eighth avenue, this city, where it will integrate its offices, laboratories and vitamin specialty manufacturing.

Cottonseed Crushings Off

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to March 31, 1942, and 1941, according to the Census Bureau, were as follows:—

Cottonseed

	Tons 1942	Tons 1941
Receipts	3,862,793	4,289,200
Crushed	3,490,272	3,710,419
On hand, March 31.	503,052	617,626

Crude Oil

	Pounds 1942	Pounds 1941
Produced	1,081,587,000	1,188,446,000
Shipped	1,059,871,000	1,132,183,000
On hand, March 31.	137,975,000	167,475,000

Refined Oil

	Pounds 1942	Pounds 1941
Produced	896,009,000	990,834,000
Shipped		
On hand, March 31.	389,010,000	505,997,000

Cake and Meal

	Tons 1942	Tons 1941
Produced	1,523,469	1,647,042
Shipped	1,349,202	1,481,146
On hand, March 31.	338,711	245,397

Hulls

	Tons 1942	Tons 1941
Produced	868,471	935,010
Shipped	859,089	758,059
On hand, March 31.	160,821	197,865

Linters

	Bales 1942	Bales 1941
Produced	1,027,011	1,002,743
Shipped	1,025,012	874,505
On hand, March 31.	125,153	257,578

—V—

Strohmeyer & Arpe Marks Sixtieth Anniversary

Arthur H. Hoffman, president of Strohmeyer & Arpe, wax distributor, this city, was guest of honor at a dinner tendered him by the officers and employees of the company April 11 in the Castleholm restaurant, marking the sixtieth anniversary of the company.

—V—

Willard A. Doehnert, formerly with Eastern States Manufacturing Company, has joined the research staff of the Central Soya Company, Decatur, Ind.

Flax Acreage Increase Seen

—Continued from page 7

rious delay, owing to two late snowstorms. But the sandy soil of that State dries quickly. Due to the fact that flaxseed of that State shows low oil-yielding and the lightweight farmers are none too friendly towards its production, reports indicate a sizable increase in acreage this year. Northern North Dakota reports show much interest in flax production and point to an important increase in acreage. Fields there still are soggy. Estimates show an increase of 25 to 40 percent in area for Minnesota, the Dakotas and Iowa, depending on the weather of the next two weeks.

A jumbling factor is the urge to produce soybeans. Beans are a two-way proposition for the farmers and, if the government fails to show any opposition to the advance in the price of hogs, a lot of acreage will go to beans that otherwise would go to flax. In beans the farmers have hay and high protein feed for fattening hogs and cattle and apparently a surer market at good prices. The loan price of $2.40 at Minneapolis will go a long way toward stimulating flax production but psychologically speaking, Washington should ease its anti-inflation talk until after the farmers are through seeding their grain.

Many elevators through the Northwest are cleaning flax for seed intended for terminal marketing. Crushers accumulated a liberal supply of good seed earlier in the season, so as to insure against shortage this Spring. Seed houses note a large increase in their sales as compared with previous years and in all it does look, at the moment, as though the hopes of the government, the Flax Institute and the cruchers would be amply fulfilled. More definite indications will be reportable after a week or ten days of weather favorable for drying fields. There is plenty of moisture in the ground for prompt germination and to carry plants a long way toward full development.

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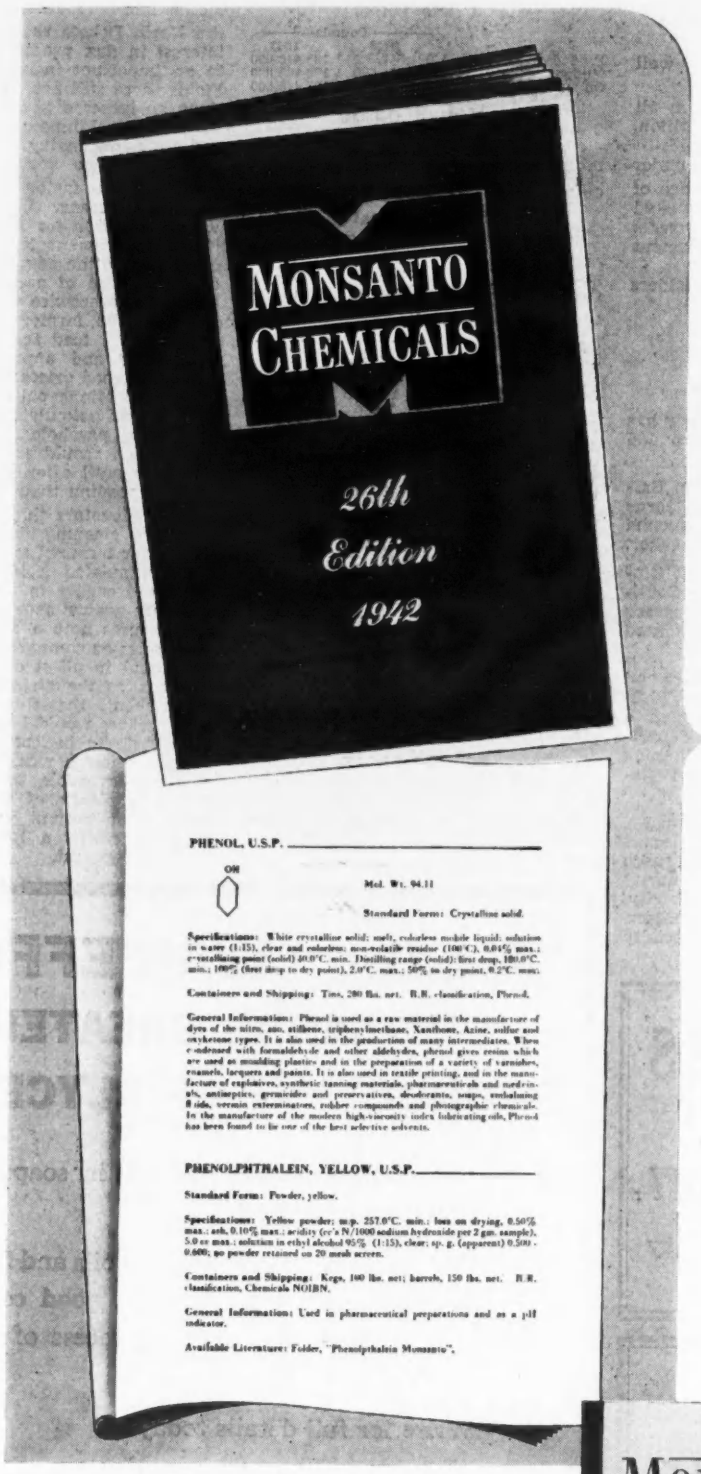
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Specifications: White crystalline solid; melt, colorless mobile liquid; solution in water (1:15), clear and colorless; non-volatile residue (100°C.), 0.04% max.; crystallizing point (solid) 40.0°C. min. Distilling range (solid): first drop, 180.0°C. min.; 100% (first drop to dry point), 2.0°C. max.; 50% to dry point, 0.2°C. max.
Containers and Shipping: Tins, 200 lbs. net. R.R. classification, Phenol.
General Information: Phenol is used as a raw material in the manufacture of dyes of the nitro, azo, stilbene, triphenylmethane, Xanthone, Azine, sulfur and anthracene types. It is also used in the production of many intermediates. When condensed with formaldehyde and other aldehydes, phenol gives resins which are used as moulding plastics and in the preparation of a variety of varnishes, enamels, lacquers and paints. It is also used in textile printing, and in the manufacture of explosives, synthetic tanning materials, pharmaceuticals and medicinals, antiseptics, germicides and preservatives, deodorants, soaps, embalming fluids, vermin exterminators, rubber compounds and photographic chemicals. In the manufacture of the modern high-viscosity index lubricating oils, Phenol has been found to be one of the best selective solvents.
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Specifications: Yellow powder; m.p. 257.0°C. min.; loss on drying, 0.50% max.; ash, 0.10% max.; acidity (cc's N/1000 sodium hydroxide per 2 gm. sample), 5.0 cc max.; solution in ethyl alcohol 95% (1:15), clear; sp. g. (apparent) 0.500 - 0.600, no powder retained on 20 mesh screen.
Containers and Shipping: Kegs, 100 lbs. net; barrels, 150 lbs. net. R.R. classification, Chemicals NOIBN.
General Information: Used in pharmaceutical preparations and as a pH indicator.
Available Literature: Folder, "Phenolphthalein Monsanto".

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SERVING INDUSTRY...WHICH SERVES MANKIND

Drugs and Fine Chemicals

WPA Issues Conservation Order on Rotenone Crystals — Pacific Coast Alcohol Prices Found Higher—Castor Bean Crop Ends with Prices at New High

The leading drugs and fine chemicals retained price stability and, for the most part, lacked quotable change throughout the past week. In the main, market conditions were also unchanged. Demand was high. Stocks were low. Needs often exceeded supplies. Transactions more and more were confined to regular customers. And the Office of Price Administration still kept undisclosed its ultimate decisions regarding prices on a number of materials deemed in critical position.

It turned up that prices for alcohol were recently raised on the Pacific Coast and hence prices for deliveries in territories other than east of the Rocky Mountains became 5c. instead of 15½c. less than quotations east of that barrier. Also, barrel packing is now 4c. over drums at all points.

Castor beans in Brazil were up substantially without spot prices on oil being changed. The crop season is at an end at the source and little was reported offered for shipment.

Menthol erupted mildly but there seemed to be no basic change in demand. Also, nothing more was forthcoming regarding production of menthol from American peppermint oil.

Definite restrictions on the use of rotenone crystals was imposed by Conservation Order M-133, issued by the War Production Board on April 13, its effective date. Full data on the conservation provisions appear elsewhere.

Acetanilide. — Active. Firm. Not plentiful. Not likely to be so.

Acetone. — Undiminished demand. Prices remain widely ranged.

Acetophenetidin.—Sustained demand command full market prices.

Acid, Acetylsalicylic. — Ressellers complain bitterly about loss of export business, due to ceiling prices structure.

Acid, Benzoic.—Every pound finds an owner quickly. Strong.

Acid, Boric. — Complete price stability. Deliveries fairly prompt.

Acid, Citric.—Supply situation tight. Market for every pound of output.

Acid, Gallic.—Raw material situation keeps market strong.

Acid, Gluconic.—No change in firm position. No change in good demand.

Price Changes

Advanced

Castor Beans, $7 per long ton.
Menthol, 50c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
239.6	239.4	237.9	209.1

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Lactic.—Consumption of U.S.P. excellent. Firm prices.

Acid, Mandelic.—Good market. Firm prices. No surplus.

Acid, Nicotinic.—Demand expanding. Output pressed. Prices low.

Acid, Nicotinic Amide.—Firm at late drop to $17 per pound.

Acid Phosphoric. — U.S.P. demand undiminished. Firm at all points.

Acid, Pyrogallic. — Needs running high. Prices strong.

Acid, Salicylic. — Firm in keeping with production situation.

Acid, Tartaric. — No price activity yet by Office of Price Administration. Strong. Stocks moderate.

Agar. — Stocks still frozen. Complainst about funds tied up by freezing order noted.

Adepslanae. — Stocks conservative. Sellers held strong views.

Alcohol.—Some consumers forced to close down. Unable to get alcohol. Large gin manufacturer conspicious example. War program gobbles up everything available. Then calls for more. Differentials on barrel packing now 4c. Were 2c. Price differential in territories other than East of the Rocky Mountains now 5c. was 15½c. Prices advance on Pacific Coast.

Aloin.—Strong because of raw material strength.

Amyl Acetate.—Needs at high level. Prices strong.

Amyl Ether. — Apparently well stabilized in price. Good call.

Amyl Mercaptan.—No price change for some time. Firm.

Bay Rum.—Selling around $1.40 per gallon, when available.

Benzocaine.—Firm at $3 per pound. Sustained interest noted.

Bismuth Metal and Salts. — No change in strong, active market.

Brucine.—Very scarce. Likely to get more so. Raw material position adverse, due to Jap progress in Far East sector.

Butyl Acetate. — Undiminished demand. Strong undertone.

Oleum Theobromatis

It might be called *Butyram Cacao*, or *Oleum Cacao*, or *Oil of Theobroma*. But why be technical only to become confusing. Call it cocoa butter and the domestic manufacturers will fill the order under benefit of an Office of Price Administration price ceiling, minimum at 25½c. per pound to home consumers.

According to the *Histoire de l'Academie Royal des Sciences*, published in Paris in 1733, cocoa butter was prepared and described by one Homberg in 1695. And M. Geoffrey, a little later, said "make it by boiling or squeezing cacao seed and use it as a basis for cosmetic pomades and as an application to chapped lips and nipples, and to haemmorrhoids."

Modern times have not changed its uses greatly. The pharmacist uses it as a base for ointments and suppositories, and also to coat pills. Makers of toilet soaps put it in special products. Candy manufacturers find it an advantageous ingredient. And some of the fair sex still fear its presence in facial cosmetics will grow them a crop of whiskers.

But today it is a tonnage item, selling heavily in car-lot quantities. And the butter is made now from cocoa beans coming mainly from the West Indies, Central and South America, and Mexico—just as it was when Homberg described it in 1695.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Drug Manufacturers Ass'n, French Lick Springs, Ind., May 5-7.

Proprietary Association, Biltmore hotel, New York, May 18-20.

American Pharmaceutical Ass'n, Shirley-Savoy hotel, Denver, Col., Aug. 16-22.

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- WHITE PRECIPITATE
- CALOMEL
- MERCURY CYANIDE
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In any event, the oil gained from the cod livers with its wholesome richness of vitamins A and D has brought untold benefits to mankind with happy consequences for millions.

It might interest you that PEDER DEVOLD COD LIVER OIL U.S.P. represented in the past and represents today practically the standard for a pure, natural, medicinal, vitamin-tested product, available in various tested vitamin A and D potencies.

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INLAND ALKALOID COMPANY
Manufacturing Chemists
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Butyl Alcohol.—No weakness. No shrinkage in call. No price change.

Castor Oil.—Crop season at end. Market for beans $100 per long ton, s. & f. N.Y. Oil market firm and very active.

Chicago, April 15.—Castor oil steady. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15½c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¼c.; drums, less than car lots, 15¼c.; tanks, 13½c.

Cinchonidine.—Apparently not affected by recent War Production Board order on quinine.

Cinchonine.—Recent order War Production Board not effective on this conchona derivative.

Cinchophen.—Sustained demand. Orders more numerous and larger.

Codliver Oil.—Market up to $80 to $88 per 30 gallon barrel or drum. Former stocks at $72 exhausted.

Collodion. Needs pressed actively. Strong position. No surplus.

Ephedrine.—Activity tapering off. Seasonal influences at work. Firm.

Epsom Salt.—Active along excellent lines. Prices apparently stable.

Ether.—All sorts show strength inherent in raw materials.

Fish Liver Oils.—Stocks gain in Far West production markets. Sellers no more willing than ever to quote firm prices.

San Francisco, Apr. 15.—Fish oils dull. Lack of general interest. Sellers' inventories good. Lack of interest stems apparently from weeks-old talk of price ceiling to come. Estimated nominal price on 100,000-unit A oil would be about 20c. per million units.

Formaldehyde.—Needs sop up production promptly. Strong. Stabilized.

Glycerin.—Reports show no production yet from petroleum. Government consults owners of patent. Laboratory test run of 100,000 gallons made. Producer says is all engineered to put up plant any time government puts up the money.

Chicago, April 15.—Glycerin firm. Volume substantial. Prices for both chemically pure and high gravity are:—Tank-car, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Menthol.—Market higher around $14 per pound Nothing more stirring on production from American peppermint oil.

Mercurials.—Strong but apparently price stabilized. Active.

Methanol.—Strong. Consumption of synthetic taking output promptly. Cries steadily for more to meet war program needs.

Quicksilver.—California production totaled 25,597 flasks in 1941. Was 18,907 flasks, 1940. Full price stabilization. Demand takes up gaining output on Coast.

San Francisco, Apr. 15.—Sale involving 1,200 flasks, various close-up delivery positions, for account eastern buyers basis ceiling figure, reported. Sale reflected better tone in market.

Quinine.—No further steps in control reported by Federal government. American producers say South and Central America bark to gain importance steadily. Bolivia reported a producer. Holder of patented substitute eases prices to Federal government. Offers use of patent to manufacturers. Keeps control of all sales.

Rotenone.—War Production Board issued Conservation Order M-133. Except on authorization by Director of Industry Operations, use forbidden except for following purposes:—Delousing agent for armed forces; protection of food crops other than certain specified crops. Order was effective April 13. Full text elsewhere.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 250 ounces; quantities of 500 ounces at ¼c. less. Comparison of price of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	26⅞	35⅛	23½
Monday	26⅞	35⅛	23½
Tuesday	26⅞	35⅛	23½
Wednesday	26⅞	35⅛	23½
Thursday	26⅞	35⅛	23½
Friday	26⅞	35⅛	23½

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Frances Richards, formerly with the Federal Trading Company, this city, has established her own chemical brokerage business, with offices at 113 West 57th street. She is handling Eastern export sales for the Pfanstiehl Chemical Company.

Atabrine Patent Licensing Urged

—Continued from page 3

oped by Germany and now held by Sterling Products, has become essential for both military and civilian use now that the supplies of quinine have largely been cut off because of Japanese occupation of the Netherlands Indies.

James Hill, jr., president, of Sterling Products, and Edward S. Rogers, chairman of the board, conferred at some length earlier this week with Leo Crowley, Alien Property Custodian, on the question of licensing other producers to manufacture atabrine, but what understandings, if any, were reached at the conference was not disclosed. In other quarters it was indicated that officials were not in accord with the arrangement made by the Winthrop company for the manufacture of the product solely by Merck & Co., and felt that a more general policy of patent licensing should be followed by the company. There is also a feeling that the retention by the Winthrop company of all distribution of the product will not permit adequate relief from the alleged "monopoly," even though that company has made substantial reductions in its prices.

In a statement issued a few days ago, Mr. Hill said that licenses for the production of atabrine would be offered to other pharmaceutical manufacturers "if the government believes the national interest will be better served in this way," despite the pending negotiations with Merck & Co., which, he said, would increase the supply of atabrine from 227,000,000 tablets a year to 398,000,000 tablets. The company says that fifteen tablets, assumably of 1½ grains, are sufficient for a year's treatment of a case of malaria.

One reason being advanced by the advocates of freer patent licensing is the possibility of developing other antimalarial agents with the use of the same basic patents. It was reported that Abbott Laboratories, in experiments with the Winthrop atabrine patents, has been able to develop a synthetic coaltar antimalarial agent equal to atabrine, but is unable to place it in commercial production because of the patent controls.

Once the situation over the atabrine patents has been cleared up officials believe the problem of quinine will be largely relieved. Although coaltar intermediates, which go into the manufacture of atabrine, are needed in hundreds of other products necessary for the war, allocations have already been made insuring sufficient supplies for the manufacture of the quinine substitute.

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N.Y. Narcotic Law Modified

Brown mixture and Stokes' expectorant are exempted from the New York State uniform narcotic law's restrictions on administration, dispensing, and selling by chapter 426 of the laws of 1942. This has been effected through the signing by Governor Lehman of the Emma bill recently passed by the State legislature.

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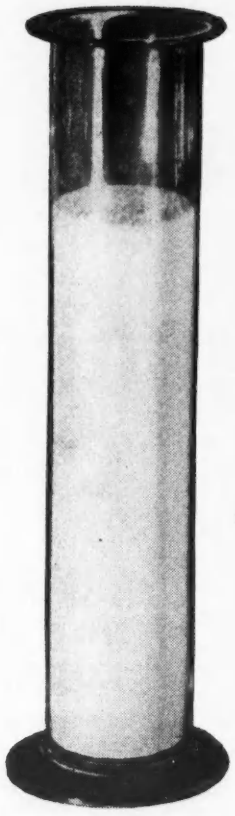

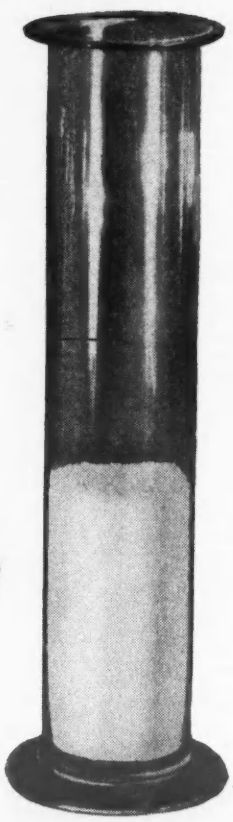

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Obituaries

Sidney C. James

Sidney C. James, chairman of the executive committee of the Federal Wholesale Druggists Association and president of the association 1939 to 1941, died in his home in Buffalo, N. Y., April 13. He was fifty-eight years of age.

Mr. James had been general manager for the Ellicott Drug Company, cooperative wholesale drug house, Buffalo. He had been associated with the company since 1920, when he became one of its directors. He served as president of the company from 1924 to 1929, and became general manager in December, 1934.

Sidney C. James

Mr. James was born in Birmingham, England; his parents brought him to the United States when he was about one year old, locating in Wallingford, Conn. Later the family moved to Greenfield, Mass., where Mr. James completed his education in the high school. He went to Buffalo in 1901 and attended the pharmacal school of the University of Buffalo, receiving a bachelor of pharmacy degree in 1903. He conducted a retail drug store, under the name of "James the Druggist," in Buffalo from 1910 to 1935.

Mr. James was a former president of the Greater Buffalo Drug Club, and was an active member of the Western New York Retail Druggists Association, the New York State Pharmaceutical Association, the National Association of Retail Druggists, and the American Pharmaceutical Association.

Surviving is his wife.

John Martin

John Martin, who was in charge of the Paterson, N. J., office for the Young Aniline Works, Inc., Baltimore, died April 14 in a hospital in Elizabeth, N. J., from injuries suffered in an automobile accident April 12.

A native of Brooklyn, Mr. Martin attended Pratt Institute. Before joining the Young Aniline in 1938 Mr. Martin had been affiliated with the Calco Chemical Division of the American Cyanamid Chemical Corporation. Surviving is his wife.

Paul Sommer

Paul Sommer, vice-president in charge of industrial sales for the Standard Varnish Works, Staten Island, died recently at the age of fifty-two. Mr. Sommer was associated with Standard since 1934 shortly after he resigned as president of the North Bergen Varnish Corporation, which he founded in 1928. Previously he was connected with the National Varnish Company Long Island City.

Joel L. Brush, former treasurer of Handy & Harmon, dealer in precious metals, this city, died April 2. He was seventy-five years old.

Sylvanus Hocks, general sales manager for the Arabol Manufacturing Company, paste manufacturer, this city, died April 16. He was fifty years old.

Abel B. W. Hodges, mining engineer and geologist, who for several years managed the Cerro de Pasco Mining Company, Peru, died recently in his Los Angeles home. He was seventy-nine years old.

George L. Norris, chief metallurgist of the Vanadium Corporation, this city, died last week. He was seventy-six years of age. Surviving is his wife.

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Magnesium Patents Opened to Industry

—*Continued from page* 5

president of Magnesium Development, $5,000. Judge Goddard remitted the fine against Mr. Hochschwender.

The consent decree is similar to that entered recently against the Standard Oil Company of New Jersey which freed numerous patents for the production of synthetic rubber and other products for general use. In addition to enjoying certain specific practices of the defendants, the decree makes all patents owned by them available to any applicant.

Upon application to the Dow Chemical, the Aluminum Company of America or Magnesium Development Corporation for a license under a fabrication patent, any company may obtain non-exclusive non-assignable licenses, royalty-free upon a reciprocal basis during the war but subject to the payment of reasonable royalties after the war.

The indictment, dated January 30, 1941, charged that Alcoa and I. G. Farbenindustrie, of the German dye trust, in 1932 pooled all patents relating to the production and fabrication of magnesium in a jointly-owned subsidiary, Magnesium Development Corporation; and that Magnesium Development and Dow Chemical, then the only producer of magnesium in the United States, cross-licensed their fabrication patents, giving Dow Chemical the right to license fabricators of magnesium under these patents.

The indictment charged that under this arrangement Dow Chemical licensed without royalty those fabricators which purchased their magnesium requirements from Dow, thereby discouraging production of magnesium by other companies.

The indictment also charged that no magnesium was produced in this country by Alcoa or I. G. Farben, and that their patents relating to magnesium production, which had been assigned to Magnesium Development, could not be licensed without the affirmative vote of a majority of the directors of that company, half of whom were elected by Alcoa and half by I. G. Farben. The interest of the latter corporation has now been taken over by the Alien Property Custodian.

No licenses under these patents, the indictment alleges, were granted by Magnesium Development; and when defense needs for the metal (used largely in the manufacture of aircraft and bombs) became acute, Dow was the only producer and was unable to supply the demand.

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J.G. Rosengarten, jr., Returns To Merck Directorate

Capt. Adolph G. Rosengarten, jr., of Philadelphia, has resigned as a member of the directorate of Merck & Co., Manufacturing chemists, Rahway, N.J., because of his duties with the U. S. Army. He is succeeded by his uncle, J. G. Rosengarten, jr. Capt. Rosengarten is on active duty with the 111th Company of the Twenty-eighth Infantry Division.

J. G. Rosengarten, jr., who returns to the directorate, is the brother of Frederic Rosengarten, chairman of the board, and the grandson of George D. Rosengarten, who founded the chemical and drug business which dates back to 1818. He was educated in the Penn Charter School in Philadelphia, and was graduated from Princeton in 1896. In 1927, when the business of Powers-Weightman-Rosengarten Company, of Philadelphia, was merged with Merck & Co. J. G. Rosengarten, jr., became vice-president and director of Merck & Co. He resigned in 1934, to be succeeded by his nephew, Capt. Adolph G. Rosengarten, jr.

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Acid Oxyquinoline Sulphonic
(8-Hydroxyquinoline-5-Sulphonic Acid)
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Aminoacetic Acid
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(Theophylline Ethylenediamine)
Aminopyrine U.S.P.
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Antipyrene U.S.P.
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d-Arginine Monohydrochloride
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Barbituric Acid
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Benzocaine U.S.P.
(Ethyl Aminobenzoate)
BETANAPHTHOL BENZOATE N.N.R.
CALCIUM CAMPHOR SULFONATE
CALCIUM LACTATE U.S.P.
Calcium Lactophosphate N.F. V Soluble Powd.
Calcium Levulinate C.P.
Calcium Magnesium Salt of Inosithexaphosphate
CARBROMAL U.S.P.
(Bromodiethylacetyl-urea)
CHLORBUTANOL U.S.P. ANHYDROUS
CHLORBUTANOL U.S.P. HYDROUS
Cholesterin C.P.
Cinchophen N.F.
(Acid Phenylcinchoninic)
Creosote Carbonate U.S.P.
Cyanoacetamide
CYSTEINE MONOHYDROCHLORIDE
l-CYSTINE
Diacetyl 100%
DIGITALIN N.N.R.
(so-called German Process) 100 units per gram
POWDERED EXTRACT OF ERGOT N.F.
ETHYL IODIDE
Ethyl Orthoformate (Tri)
Galactose C.P.
Glutathione C.P.
POWDERED EXTRACT OF HENBANE LEAF U.S.P.
HISTAMINE DIHYDROCHLORIDE C.P.
HISTAMINE DIPHOSPHATE U.S.P.
HISTIDINE MONOHYDROCHLORIDE C.P.
Iodine U.S.P. Resubl. Cryst.
Iodo-Oxyquinolin-Sulfonate
LACTOSE (MILK SUGAR) U.S.P. POWD.
LECITHIN EX OVO 90-95%
Levulose Crystals
d-Lysine Monohydrochloride
MAGNESIUM PEROXIDE 25%
Maltose Purif. (Malt Sugar)
METHYL IODIDE C.P.
Nicotinic Acid U.S.P.
Oxyquinoline Base
Oxyquinoline Benzoate
Oxyquinoline Chloride
Oxyquinoline Sulfate
PHENETSAL N.N.R.
(Acetyl para Amidosalol)
Phenobarbital U.S.P.
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Phenobarbital Sodium U.S.P.
Phenyl Mercuric Acetate C.P.
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Boron Amorphous Now Offered by F.W. Berk

The F. W. Berk Company, Wood Ridge, N. J., is now offering boron amorphous in commercial quantities. Boron amorphous is a dark brown green powder. It is next to diamond in hardness. Small additions of this material to steel, copper and other metals increase their hardness and also increase the soundness of metal castings acting as a deoxidizer. A small amount of boron amorphous also increases the resistance of metals towards acids.

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Cinchona Tillage In Latin America

—Continued from page 3

Start from Scratch

Those concerned with cinchona culture in most of the countries mentioned have had to start from scratch. With the exception of a few vague memories of experiments conducted in Guatemala in the 1860's and of published information from Java, they knew little about the subject when they commenced work a few years ago. They did know that cinchona is not an easy tree to establish, since the varieties of high quinine content are extremely exacting in their requirements of climate and soil. They come from regions in the Andes where the mountainsides are covered with a thick layer of humus, the accumulated leaf-fall of centuries, and where clouds piling up from the lowlands keep the atmosphere moist a large part of the time. Successful establishment of commercial plantations thus depends upon utilizing areas which possess the proper conditions and upon growing kinds which are of relatively high quinine content. The Briton, Sir Frank Stockdale, admirably sums up the combination of factors required with the statement:—"The problem for the cinchona grower is to find those conditions which promote the greatest degree of bark growth of reasonable quinine content in the shortest period of time."

Plantings were started in Guatemala at various elevations, from 2,000 to 6,000 feet, and on widely different soils. Much difficulty was experienced at first in propagating the high-yielding Ledger types. They are delicate trees which on their own roots require virgin soils, not too sandy in character, but at the same time not heavy. Furthermore, experience in Java has shown that they are not fully successful outside a certain altitudinal range, from about 3,500 to about 5,500 feet in that island.

The seeds (so small that it takes 2,500 of them to weigh a gram and around 75,000 to weigh an ounce) are planted in carefully prepared beds surfaced with forest loam and protected from sun and rain by means of sheetiron or other roofing. While the seeds are germinating, a process which takes from three to four weeks, they must be kept uniformly moist but not wet. If allowed to dry out after they have swelled for germination, they die. Then there is the problem of protection from the damping-off fungus while the seedlings are small. This requires a very careful adjustment of light and ventilation. As the plants grow larger they must be given more light lest they become too "leggy," but if exposed to direct rays of the sun for even a few hours they may be killed.

Seedbed to Nursery to Field

From the seedbeds they are transplanted, when about three inches high, to nursery beds, with partial protection from the sun and after six months or so, again transplanted at wider spacings. It may require as much as twenty-five or twenty-six months to bring the young plants to a suitable size for transplanting to permanent positions in the field. During the early months in the nursery, many of them may die if not protected from heavy rains.

Because Ledgers are so delicate, it is the practice in Java to graft them upon roots of the more rugged succirubra species, unless the land on which they are to grow is unusually rich and of just the right soil texture. Grafting also furnishes an opportunity for standardizing the production, since grafted trees are relatively uniform in quinine content, while seedlings definitely are not. The selection of high-yielding mother trees for this purpose is another phase of the problem. At first glance it appears simple enough; one would think it necessary only to choose those trees which have the highest quinine content, a thing easily determinable by laboratory tests. But this is not the whole story. A tree which contains, let us say, 14 percent of quinine sulphate may be such a slow grower and have such thin bark that it would be more profitable to cultivate a tree which is a more rapid grower, with thick bark, but contains only 10 percent quinine sulphate.

Other factors may also come into play, such as disease resistance, facility with which the variety can be grafted, and the like.

Harvesting and Marketing

The trees, whether produced by grafting or from seedlings, must have been in the field several years before any bark can be harvested. In harvesting, the trees are uprooted, and bark is removed by beating all parts of the tree—trunk, larger roots, and branches—with wooden mallets and then stripping it off by hand. The harvest is a progressive process, beginning about three years after final planting, when trees of inferior growth are taken out and their bark removed. This "thinning out" is repeated annually for a few years. As the planting advances in age, more mature trees are removed each year.

After cinchona trees reach a certain age, both the growth of the tree and the increase in quinine content of the bark slow down markedly. Javanese plantations, accordingly, operate on an eight, ten, fifteen, or even twenty-year rotation, whichever will bring about the most efficient quinine production under the soil and climatic conditions of a particular plantation. A ten-year schedule, for instance, would involve a plantation in which one-tenth of the total acreage would be felled for harvest yearly and an equal amount of land would be planted with young trees.

Preparation of the bark for market is simple. It is dried and then ground to a coarse powder for shipment to the manufacturers, who chemically extract the quinine and the minor alkaloids, cinchonidine, quinidine, and cinchonine. An outstanding contribution to the manufacturing process has recently been made by the Philippine Bureau of Science, which has had considerable success in the production of a drug called totaquina, which uses all the alkaloids of cinchona bark, is cheaper than quinine, and is said to be similarly effective against malaria.

It will be seen that the introduction of cinchona is not an overnight process. Ten years or more must elapse between the planting of seedlings and the peak harvesting of bark. The first commercial harvesting of bark from the new plantings in tropical America is still several years away and emergency production in that area must depend on increased harvesting from present wild trees. Progress to date indicates, however, that the Western Hemisphere can become entirely independent of Far Eastern quinine sources if that should be desirable.

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Trade Briefs

Peoples Drug Stores, Inc., Washington, March sales totaled $2,447,017, against $2,144,194 in March last year.

Charles W. Keller, for twenty years with P. H. Petry & Co., custom house broker, this city, has entered the employ of the Sino Java Handelsvereeniging, Inc.

Bri-Test Products Corporation, 810 East 136th street, Bronx, N. Y., has opened a plant for the manufacture of waxes, soaps, cleaners and polishes for the trade under the 'Bri-Test' trademark and in bulk under private brands.

Dr. Otto Loewi, research professor of pharmacology at New York University, is giving a series of seminars and public lectures at the University of Washington, Seattle. Among his topics are autonomic drugs, drug action, and drug activity.

H. Richard Noonan, of Drug Products Company, Long Island City, N. Y., has been appointed a first lieutenant in the Sanitary Corps of the United States Army and ordered to active duty April 22, reporting at the St. Louis Medical Depot, St. Louis, Mo.

Ole Salthe, long associated with the late United States Senator Royal S. Copeland in health and pure food and drug activities and recently consultant for the Food and Drug Administration, has been engaged as executive secretary of the Nutrition Foundation, Inc., created by some fifteen manufacturers of foods to promote public health. The organization has its headquarters in the Chrysler building, this city.

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Acetylene
Starting point (U.S. 1322054 in making—
Furfural

Fats and Oils

Source of—
Kapok oil (from the seed)

House Furnishing

Stuffing agent for—
Cushions
Mattresses
Pillows
Upholstered furniture

Marine

(See some of the items under "Military and Naval")

Military and Naval

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Life-preservers, such as lifeboats, vests, jackets, boat cushions, mattresses, and the like
Stuffing agent for—
Encampment equipment, such as mattresses and pillows, sleeping bags, and the like
Stuffing agent and cold-repeller in—
Aviator's clothing

Miscellaneous

Base material (U.S. 1486800) in making—
Rope

Paper

Cellulose source (U.S. 1450600) in making—
Paper

Sporting Goods

Floating agent and base material in—
Artificial fly lures for angling
Stuffing agent for—
Camping equipment, such as mattresses and pillows, sleeping bags, and the like

Lithium Naphthenate

Pharmaceutical

Claimed (Germ. 404697) to be—
Effective in treating gout (used in an oil base—said to be easily absorbed by the epidermis and to form soluble lithium uranate and an equally soluble napthenate)

Nitrogen Tetrasulphide

Fuel

Ignition accelerator for—
Diesel engine fuels (No. 16 in the Nygaard, Crandall, and Berger list, which is arranged in the order of decreasing effectiveness at a concentration of 0.5 weight-percent in straight-run diesel fuels)

Orthocyclohexylphenol Gammathiocyanopropylether

Insecticide

Claimed (U.S. 2185207) as—
Insecticidal toxicant, soluble in petroleum distillates

Silver Oxide

(Ossidio di Argentico, Oxido de Plata, Oxyde d'Argent, Silberoxyd)

Chemical

Activating agent in—
Catalytic processes
Catalyst in—
Organic syntheses
Ingredient of—
Catalytic mixtures
Starting point in making—
Catalysts
Silver salts

Dental Mechanics

Base (U.S. 1245879) in—
Dental cement

Disinfectant

Source of —
Silver in various compositions

Dye

Process material (U.S. 1374871 and 1374872) in making—
Photosensitive dyes

Electrical

Base material (U.S. 1436844) in making—
Contact alloy
Ingredient of—
Battery electrodes

Fats, Oils, and Waxes

Catalyst in—
Hydrogenation processes

Glass

Ingredient of—
Polishing compositions
Yellowing agent for—
Glass

Jewelry

Base of—
Jewellers' solders

Petroleum

Catalyst in—
Hydrogenation processes
Purification processes

Pharmaceutical

In compounding and dispensing practice
Starting point in making—
Silver salts

Photographic

Process material (U.S. 1374871 and 1374o72) in making—
Photosensitive dyes
Starting point in making—
Silver salts

Plastics

Process material (U.S. 1241738) in making—
Amber substitute
Celluloid substitute
Horn substitute

Water and Sanitation

Purifying agent for—
Water

Tin

(Continued from April 13 issue)

Dairy

(See under "Mechanical" and "Metal Fabricating")

Electrical

Component of—
Condensers
Constituent of—
Solders
Construction metal for—
Small parts and devices
Tincoating agent for—
Tinning and retinning operations
Wire and apparatus

Fats, Oils, and Waxes

(See under "Mechanical" and "Metal Fabricating")

Food

Capping and closing agent for—
Containers
Construction metal for—
Collapsible tubes used as containers (fish pastes, meat extracts, honey, and other food products)
Wrapping foil for—
Candy
Cheese
Chocolate
Tea

(See also under "Mechanical" and "Metal Fabricating")

Glass

Silvering agent for—
Mirrors (used in the form of amalgams)

Insecticide

Closing agent for—
Containers for spraying agents
Construction metal for—
Collapsible tubes used as containers for insecticidal preparations
Spray guns

(See also under "Metal Fabricating")

Jewelry

Constituent of—
Jewellers' alloys and solders

Lubricant

Construction metal for—
Collapsible tubes used as containers for special lubricants

(See also under "Metal Fabricating")

Meat-Packing

Construction metal for—
Collapsible tubes used as containers for potted meats, pastes, and the like

(See also under "Mechanical" and "Metal Fabrication")

Mechanical

Constituent of—
Babbitt metals
Bearing alloys
Brasses
Bronzes
Bushing alloys
Solders
Lining agent for—
Agitators
Cocks
Coils
Corrosion-resisting equipment
Fittings
Pipe
Pumps
Soil pipe
Tanks
Valves

Metal Fabricating

Coating agent in making—
Tinplate used either for (1) parts, or (2) containers—for example tin cans—in the following industries—
Dairy products
Fats, oils, and greases
Fruit and vegetable products
Furniture
Greases and lubricants
Machinery and hand tools
Marine products
Meat products
Oil, gas, and water companies
Paint and varnish
Parts manufacture
Pharmaceutical products
Pressed and formed metal products
Soap and by-products
Stoves
Constituent of—
Coatings for terneplate used as roofing tin and now in increasing amounts for other purposes, such as deep stamping operations, gasoline tanks
Solders
Construction metal for—
Distilled water apparatus
Various purposes
Tincoating agent for—
Copper vessels for culinary use
Equipment requiring resistance to chemical attack
Lead sheet and equipment
Other metals
Tinning and retinning operations
Wire of various metals, principally copper wire
Lining agent for—
Equipment requiring resistance to chemical attack

Metallurgical

Constituent of—
Alloys
Babbitt metals
Brasses
Britannia metal
Bronzes
Minting alloys
Pot and pan alloys
Solders
Tableware alloys
Type metals

Military

Constituent of—
Solders for various purposes in automotive, radio signalling, locating, or control devices

(See also under "Aviation," "Automotive," and "Electrical")

Miscellaneous

Coating agent for—
Pins
Uniform buttons
Utensils
Various articles
Construction metal for—
Cooking utensils
Hotel, restaurant, and industrial kitchen intallations
Small gadgets
Toys
Wrapping foil for—
Spoilable products (generally known in this application as "silverpaper")

Paint, Varnish, and Lacquer

Construction metal for—
Cans for various products
Collapsible tubes used as containers for artist's colors

(See also under "Metal Fabricating")

Paper

Cutting edge material for—
Waxed paper containers

Pharmaceutical

Construction metal for—
Collapsible tubes used as containers

(See also under "Metal Fabricating" and "Chemical")

Plumbing and Pipefitting

(See under "Mechanical")

Printing

Constituent of—
Toning metal (used to compensate for type metal variation under reuse treatment)
Type metals for monotype, linotype, stereotype, electrotype

Railroading

Construction metal for—
Kitchen installations
Pullman sinks and washroom installations

Soap

Construction metal for—
Collapsible tubes used as containers for shaving soaps
Perforated tops for containers for soap powder and general detergent preparations

(See also under "Mechanical" and "Metal Fagribation")

Tobacco

Container metal for—
Chewing tobacco
Cigars
Cigarets
Pipe tobaccos
Snuff
Wrapping foil for—
Tobacco products for chewing, smoking, snuffing

Lost a Market? — Consult—

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The Record Shows—

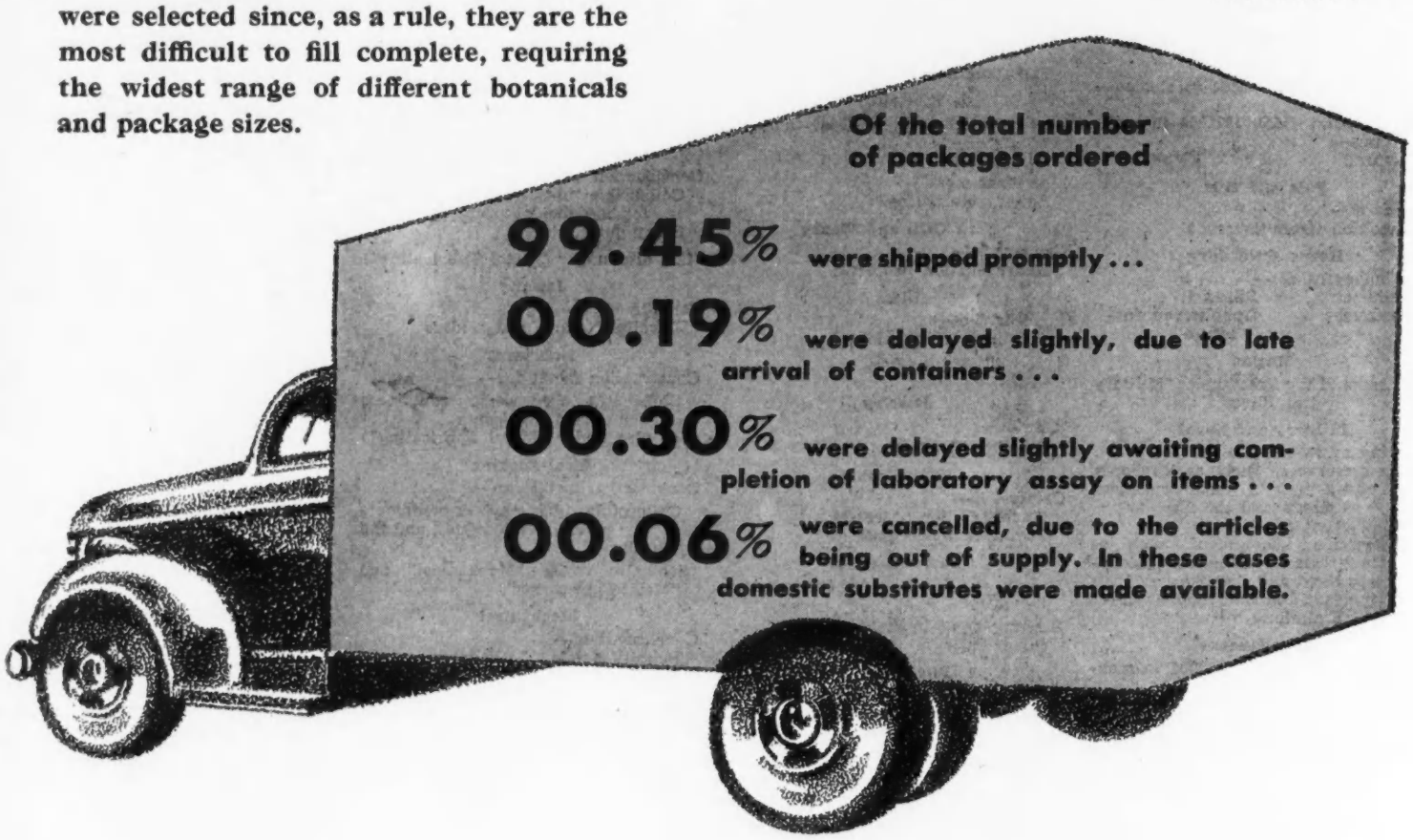
The entire resourcefulness and experience of our Company has been focused on maintaining as normal a supply of botanicals as possible, since the war disrupted usual channels of supply in September of 1939.

HOW WELL HAVE WE SUCCEEDED?

To find the answer, we segregated all orders received from wholesale drug houses on a random day recently. Wholesalers' orders were selected since, as a rule, they are the most difficult to fill complete, requiring the widest range of different botanicals and package sizes.

PENICK DELIVERS THE GOODS

Here is what careful tally revealed:—


Of the total number of packages ordered
99.45% were shipped promptly . . .
00.19% were delayed slightly, due to late arrival of containers . . .
00.30% were delayed slightly awaiting completion of laboratory assay on items . . .
00.06% were cancelled, due to the articles being out of supply. In these cases domestic substitutes were made available.

After more than two years of war conditions we believe this is an excellent showing and that we have some cause for a feeling of pride in the manner in which we have taken care of our customers.

We quote the records: After all, that is what counts. What we have achieved to date we will try to equal or improve. We feel deeply the responsibility of maintaining the best record that world conditions will permit. To that end we will continue to devote all of our experience and skill.

PENICK DELIVERS THE GOODS

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

Jap War Machine Threatens Supply of Indian Botanics—Submarine Air and Surface Fleets Prowl Bay of Bengal and Indian Ocean—Cargo Ships the Prey—Prices Stronger

Once more it was the progress of the war with Japan that held major interest in the market for botanical drugs last week. Jap forces continued to move inexorably through Burma, bound for India, with its spearhead pointed now at Mandalay but eventually to be driven into Calcutta. Jap navies prowled the Bay of Bengal increasingly vigilant for United Nations cargo ships. And in the Indian Ocean, the Jap submarines actually sank ships bound here with cargoes of merchandise loaded from Bombay godowns.

Cut India off from this country and one of its few remaining sources for a substantial number of crude drugs goes by the board. Naturally, the United States has combed the world for botanicals formerly obtained in Europe, and in India it found some relief from shortages of stocks. The reserve with which botanical drug dealers offered botanicals originating in India was testimony that affirmed the growing crises in the Far East.

Balsams

Peru.—Strong. In limited stock. Replacement cost high.

Tolu.—Steady to firm, spot and primary market.

Barks

Cinchona. — South and Central America must ultimately supply U. S. cinchona needs, providing war lasts a number of years.

Elm.—Firm. Not much activity.

Soap.—Transport slow, irregular, difficult from Chile.

Beans

St. Ignatius.—Firm. Replacement slow, uncertain. Not much call.

Vanilla. — Situation still acutely strong. Relations between U. S. and the Vichy government strained. May mean definite end of Bourbon bean arrivals for duration. Severance of relations could also mean re-establishment normal exports if U. S. or Free French seize French Islands.

Berries

Juniper.—New Hampshire stocks declared excellent. Gin plants tend to close down. One of largest inoperative now due to lack of alcohol. Demand for junipers can decrease sharply.

Pleurisy Root

Let's get it straight from the start: Pleurisy root has nothing to do with that painful inflammation of the delicate, serous membrane called the pleura. And, although its botanical name is *Asclepias Tuberosa*, pleurisy root produces no flower with subtley intoxicating odor.

It is known commonly as Butterfly Weed, Orange Swallowwort, Orange Root, and Orange Milkweed, but don't be fooled! Pleurisy root is no ornithological nor horticultural monstrosity; nor is it the rubber latex yielding milkweed that may put America back on rubber tires before the United Nations lick the Axis and the Japs.

It is an American botanical that, converted into a medicinal preparation, promotes the discharge of mucous from the lungs and/or throat. Or, to use a $2 word, it is an expectorant.

It fetches 12c. or 13c. per pound today and was 14c. when the war began in September, 1939. In World War No. 1 the best it commanded was 28c. per pound, which was virtually 100 percent higher than the market price in August, 1914.

Price Changes

Advanced

Allspice, 3c. per. lb.
Canary seed, Argentine, ¼c. per lb.
Cardamom, decorticated, 12c. per lb.
Dill seed, ¼c. per lb.
Ginger root, African, 2c. per lb.
Cochin, unbleached, 1c. per lb.
Mace, Banda, 5c. per lb.
Siauw, 5c. per lb.
Nutmegs, W. I., 3c. per lb.
Rapeseed, Argentine, ½c. per lb.

Reduced

Cassia, China, select, broken, 7c. per lb.
Cinnamon, Ceylon, No. 2, 1c. per lb.
Grains of Paradise, 6c. per lb.
Laurel leaves, 3c. per lb.
Mustard seed, California yellow, ½c. per lb.
Saffron, Spanish, $3 per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
324.2	324.2	322.2	250.4

Market news that may have developed after this report was sent to press will be found on page 4.

Sloe.—Need contracting. Sloe gin production may stop due to lack of alcohol

Flowers

Calendula.—Scarce. Strong. Could grow them here.

Chamomile.—Fairly easy. No shortage. Price steady.

Saffron.—Much easing of undertones on Spanish item. Price drops to $39 per pound.

Gums

Arabic.—Getting stronger with each move of Japan toward India. Indian Ocean prowled by Jap submarines. Shipping conditions get steadily more hazardous, strengthening arabic accordingly.

Asafetida.—Not impossible for shipments from India to stop abruptly. Stronger.

Benzoin.—Consumers fortunate that importers hold fair reserves. Once exhausted, stocks not replaceable.

Karaya.—Getting firmer as war draws inexorably closer to India.

Tragacanth.—Sellers develop greater reserve. Danger of shipments being ended becomes daily more real.

Herbs and Leaves

Laurel.—Spanish item down to 19c. to 20c. per pound.

Marjoram.—More stabilized. Fair call.

Peppermint.—National needs to be larger this year.

Stramonium.—Actual needs probably well protected.

Uva Ursi. — Stabilized. Firm. In light request.

Stramonium

Dragon's Blood.—Primary market cut off. Spot stocks moderate.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

Spice Trade Association, New York, May 11-13.
Proprietary Association, Biltmore hotel, New York, May 18-20.

"Damn The Torpedoes!"

When the smoke of battle has cleared on a world cleansed of aggressors, history will tell the saga of those unsung merchantmen who zig-zag the oceans, even now, with their cargoes of precious drugs from distant places. Theirs is the spirit of victory, and their motto is "Damn the torpedoes!"

For our part, we shall strive to continue serving our customers as faithfully as those merchantmen serve us all.

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- ✓ IPECAC
- ✓ PAPAIN
- ✓ QUINCE SEED
- ✓ ROSEMARY
- ✓ SARSAPARILLA
- ✓ SENNA LEAVES and PODS
- ✓ STROPHANTHUS SEED
- ✓ THYME LEAVES
- ✓ VALERIAN
- ✓ WHITE SQUILLS

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- BORRAGE FLOWERS
- BUCHU LEAVES
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- CELERY SEED
- CLOVES, Zanzibar
- COCILLANA BARK
- CORIANDER OIL AND SEED
- CUMIN SEED
- DANDELION ROOT
- FENNEL SEED, Indian
- FOENUGREEK SEED
- GENTIAN ROOT
- GINGER, Jamaica
- GRAINS OF PARADISE
- GUM ARABIC AMBER SORTS
- HELLEBORE ROOT WHITE
- HERBA HERNIARIAE
- HERBE MENTHE
- HOREHOUND HERB
- IRISH MOSS
- JUNIPER BERRIES
- LAUREL LEAVES
- LAVENDER FLOWERS
- MAHUANG, Chinese
- MALEFERN ROOT
- MARJORAM LEAVES
- OAK MOSS
- PEPPERMINT OIL
- PIMENTO, Jamaica
- PSYLLIUM SEED AND HUSKS
- QUINCE SEED
- RHUBARB ROOT
- ROSEMARY LEAVES
- SAGE LEAVES
- SARSAPARILLA ROOT
- SAVIN OIL
- SAVORY
- SENNA LEAVES AND PODS
- SESAME SEED HULLED
- SQUILL ROOT
- STRAMONIUM LEAVES
- STROPHANTUS SEED
- THYME LEAVES
- UVA URSA LEAVES
- VALERIAN ROOT

- AMINOPHYLLINE
- BARBITAL
- COD LIVER OIL, Medicinal and Poultry Grades
- EPHEDRINE SALTS
- GUM CAMPHOR, Japanese
- ICHTHAMMOL, N.F.
- MENTHOL, Japanese
- STRYCHNINE SULFATE
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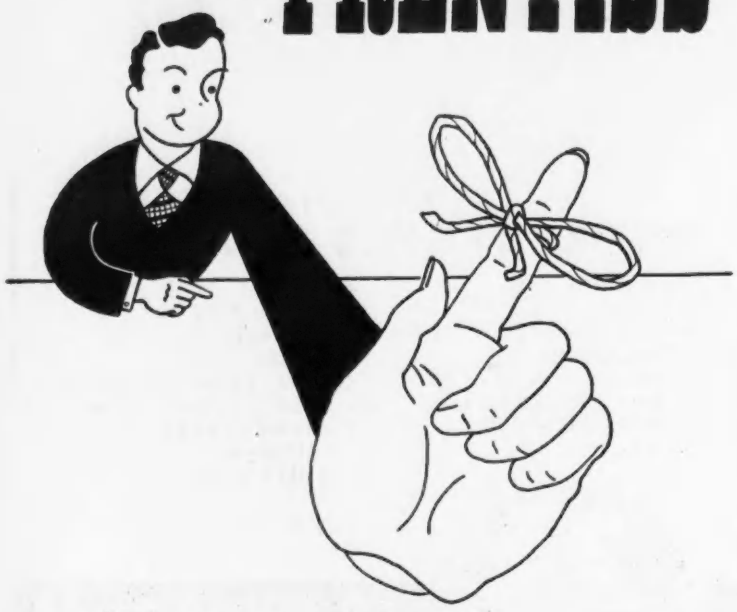

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Grains of Paradise.—Substantial imports noted. Price drops to 29c. to 30c. per pound.

Nux Vomica.—Stronger. Jap threat to India never greater.

Papain.—No anxious sellers. Reserves husbanded.

Roots

Cube.—Sellers reserved. Stocks strictly controlled. Suggested price observed.

Derris.—Stocks got steadily smaller. Will disappear eventually.

Ipecac. — Advance maintained in strong market.

Rhubarb. — New sources sought. Chinese stocks no longer obtainable.

Valerian.—Jap threat to India endangers remaining source offering substantial stocks.

Seeds

Canary. — Goods from Argentina landed in Southern ports. Spot price advanced to 9½c. to 10c. per pound.

Cardamom.—Comes from India and Ceylon. Export in future doubtful. Green Alleppey seed up to $1.10 to $1.20 per pound.

Dill.—Firmer at rise to 8½c. to 9c. per pound.

Mustard.—California yellow down to 8½c. to 9c. per pound. Montana hoping for normal rainfall.

Rape.—Argentina seed up to 11½c. to 12c. per pound.

Spices

Allspice.—Mexican item higher at 30c. to 31c. per pound. Strong.

Cassia.—Broken select, 78c. to 80c. per pound. Broken extra select no longer offered.

Cinnamon.—Slightly lower at 67c. to 69c. per pound.

Ginger.—African advanced to 50c. to 51c. per pound. Unbleached Cochin rises to 35c. to 36c.

Mace.—Higher. Banda, $1.05 to $1.20 per pound. Siauw, 95c. to $1.

Nutmegs. — West Indian advances sharply to 54c. to 56c. per pound.

Pepper.—Active with grinders. Fair reserves exist. Ceiling governs all transactions.

Trading in black pepper futures on the New York Produce Exchange from April 13 to April 17, inclusive, comprised 11 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
May	6.43	6.43	6.43 bid
July	6.50	6.50	6.50 bid
October	6.63	6.63	6.63 bid
October	6.63	6.63	6.63 bid

Pimento.—Goods afloat at 35c. to 36c. per pound. Spots, 38c. to 39c.

Plant Industry Bureau Chief R.M. Salter

—Continued from page 3

periment Station. He then became connected with agronomic work at the Ohio State University and from 1929 to 1940 served as chairman of the department of agronomy in charge of crops and soils in the university and the Ohio Agricultural Experiment Station. He was made vice-director of the Ohio Agricultural Experiment Station in 1940 and later that year accepted appointment as director of the North Carolina Agricultural Experiment Station.

He left North Carolina in October, 1941, to head the Bureau of Plant Industry's newly organized division of soil and fertilizer investigations, comprising the former divisions of soil chemistry and physics, fertilizer research, and soil microbiology. Mr. Salter is a fellow in the American Society of Agronomy, was president in 1936, and for several years has been chairman of a committee on fertilizers.

Dr. R. O. E. Davis, who for several years has been connected with the department in soil and fertilizer work, has been designated as acting head of the division of soil and fertilizer investigations. Dr. M. A. McCall will continue to serve as assistant chief of the Bureau of Plant Industry and head of the Division of Cereal Crops and Diseases.

Crown Drug Company, Baltimore, March sales amounted to $756,892, compared with $720,282 in March last year.

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RUE HERB
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For Sciatica
For Bloody Nose
Its Emmenagogue Properties Find Use
In American Medicine
Today

Essential Oils, Aromatic Chemicals

Rise in Essential Oils Unchecked—Demand Runs High—Stocks at New Lows—Problem of Aromatic Output from Non-War Materials Studied

Developments distinctly new in character were missing in the market for essential oils and aromatic chemicals last week. To be sure, higher prices developed on geranium, lemongrass, patchouli, vetiver, and sandalwood oils, but advancing prices are not new locally and all of these items had been achieving higher and higher price levels over a long period of time.

Undertones in the market continued strong. The main problem of sellers was to achieve even moderate deliveries of goods insistently and persistently sought by manufacturing consumers. Stocks had shrunk and still were shrinking during the period under review, and nothing noted at this time shows an even potential change in that aspect of affairs.

Shortages in various ingredients are forcing numerous changes in manufacturing formulae. One manufacturer prominent in the aromatic chemical field recently said that industry is definitely on a basis of war time economy and that wholehearted cooperation with the war program requires that manufacturers produce maximum quantities of chemicals for which raw materials are still available and which do not interfere with pressing the war home hard against the nation's enemies.

Essential Oils

Almond.—Active. Firm. Not overly stocked. Reserve shown in primary market.

Amber.—A limited quantity refined available at 52c. per pound.

Angelica. — Almost unobtainable. Strictly nominal. Some think can be made in this country.

Anise.—Limited stocks strongly held. No more can be had from source.

Bay.—Firm to strong. Active within usual limits. No change at source.

Birchtar.—None known to be available.

Bois de Rose.—Strong in Brazil. Very firm, spot. Demand good.

Cajeput.—Sellers display reserve. Conserve stocks no longer replaceable.

Cananga.—Nominal, strong, irreplaceable.

Capsicum (Oleoresin).—In good demand. Production cost high.

Cassia.—Market for anything offered. Prices high and strong.

Cedarleaf.—Active. Firm. Moderately stocked locally.

Celery.—Seed prices rising steadily.

Cinnamon.—Trend of war in Far East virtually eliminates further exports of leaf oil. Purely nominal market.

Citronella.—Few want to sell. All know present stocks not likely to be replaced. Certainly not from Java. Remote chance that some oil may get through from Ceylon already under Jap attack.

Clove.—Could scarcely be stronger. Trend of relations with Vichy government could, ultimately, release oil and spices for shipment here. Demand high.

Coriander.—Limited stocks offered in small quantities at strong prices.

Cubeb.—Few have spot goods to sell. None getting raw material from source.

Dill.—Conditions suggest check on exports from India. Domestic output doubly important this year.

Eucalyptus.—Sea routes still open to Australia. Transport costs rise steadily.

Geranium.—Very small lots have fetched $30 per pound.

Ginger.—Raw material strength renewed. No easing of oil prices.

Hemlock.—Excellent interest. Prices hold strong.

Lavender.—Small lots occasionally appear. Disappear promptly.

Lemon.—Active, strong market. Real needs well taken care of.

Lemongrass.—Spot has fetched $4.25 per pound in last confirmed sales. Strong. Jap drive threatens ultimately closing primary market.

Lime.—Little available held strongly. Prices tend up.

Price Changes

Advanced

Geranium, $2 per lb.
Lemongrass, 50c. per lb.
Menthol, 50c. per lb.
Patchouli, 50c. per lb.
Vetiver, Java, $2 per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
324.5	317.9	305.3	196.2

Market news that may have developed after this report was sent to press will be found on page 4.

Safrol

If the United States could get brown camphor oil from Japan —which it cannot—it could produce the safrol, which it wants and does not have. And plenty of cheap safrol might increase supplies of vanillin by processes hitherto unsatisfactory for use in this country but, apparently, satisfactory for the Japs.

Well, if the need for safrol became great enough, a return to first principles might produce it. Research by Grimaux and Ruotte, reported in 1869, showed that natural sassafras oil contained nine-tenths of its weight of *Safrol*.

This followed the work of Proctor, who found that the oil when cooled in a freezing mixture deposited hard, four or six-sided crystals known as *Sassafras Camphor*. The crystals had the composition $C_{10}H_{10}O_2$, which also was the composition assigned to *Safrol*.

There is a "sassafras wilderness" in Pennsylvania and the tree grows in many Southern areas. If the need be great enough to make buyers pay the price, there seems to be no reason why a revival of sassafras oil production in the interest of safrol manufacture might not succeed.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

Flavoring Extract Manufacturers Association, Hotel Pennsylvania, New York, May 18-20.

Canadian Toilet Goods Association, Seigniory Club, Montebello, Quebec, June 8 *and* 9.

Toilet Goods Ass'n, Waldorf-Astoria, New York, June 15-17.

MEET MAGNUS REPRESENTATIVE

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FACTORIES AT CLIFTON, N. J. AND [illegible] FRANCE

Mustard.—Good demand. Not overly plentiful.

Nutmeg.—No easier. Strong undertone. Active.

Orange.—Brazil offering plentiful supplies. Many local agents push imports from that country. Domestic oil active. Very firm.

Patchouli.—Higher at $9.50 per pound. Stocks decreasing.

Peppermint. — Conditions rather routine. Producers busy putting larger acreage under cultivation. Prices hold in East. Some unsettlement noted in West recently.

Petitgrain.—Firm, spot and source. Reasonable activity.

Pimento.—No easing. Firm. Fair demand.

Pineneedle. — Advance maintained. Undertones firm and sturdy.

Rosemary.—In firm hands. Fair stocks brought from London.

Sage.—None known to be available.

Sandalwood.—Still fair chance raw material getting through from Madras. Mysore oil at $7 per pound. Very firm. Offerings moderate. Sellers reserved.

Sassafras.—Only natural oil available. Firm.

Vètiver.—Higher at $52 to $55 per pound for Java oil. Market virtually nominal.

Aromatic Chemicals

Geranyl Acetate.—Stocks at low ebb. Prices strong.

Heliotropine.—Very fine. Output well engaged ahead.

Indol.—Has sold at $28 per pound with no difficuity.

Isoeugenol.—Most sellers unable to offer.

Isosafrol.—Unobtainable from practically all dealers.

Linalool.—Dealers' stocks about wiped out. Producers sold ahead.

Linalyl Acetate.—Quotations nominal as to prompt deliveries.

Menthol.—Higher at $14 per pound. Not much activity.

Methyl Salicylate.—Very firm. Selling actively. Producers cope with actual needs of regular customers.

Musk.—Producers well sold ahead. Little prompt delivery material available.

Nitrobenzol.—Dealers' quotes to average trade between 12c. and 15c. per pound. Producers' tank price 7c.

Phenylethyl Acetate.—Dealers report sales around $5 per pound.

Phenylethyl Alcohol.—Dealer business continued around $2.50 per pound.

Racemic Ether.—This so-called ether used in grape flavors brings $14.25 per gallon in 1-gallon lots.

Rhodinol.—One dealer quotes $50 per pound for item made from Bourbon geranium oil.

Rum Ether.—This so-called ether (ethyl oxyhydrate) brings $7.50 per gallon steadily with dealers.

Safrol.—None offered.

Scatol.—Dealers sell around $5 per ounce in small lots.

Terebene.—Good trade at $1 per pound.

Thymol.—Hard to locate any. Nominal $3 per pound price noted.

Vanillin.—Sellers have no surplus. Producers expect to cope with demand. Many dealers cease quoting.

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Packaging Conference Discusses Substitutes

—Continued from page 4

macal Company, St. Louis, and president of the Packaging Institute. Manufacturers will have to stretch materials, he said, and such schemes as samples and special sales should be eliminated. He warned manufacturers not to use technicalities which provide a temporary loophole as an excuse for using vital materials.

Discussing the packaging of dehydrated foods, L. K. Harper, vice-president of the Sardik Food Products Corporation, stated that there is no entirely satisfactory substitute for either the tin or rubber and foil package. Several materials show promise but sufficient tests have not been made to be certain, he said.

Roger Wolcott, executive secretary of the National Consumers Retail Council, advocated the use of informative labeling as an aid to the consumer at a time when prices are rising and quality of certain types of merchandise are deteriorating.

The case for standardization and simplification was presented by Clinton K. Royce, of Carson Pirie Scott & Co., Chicago, who cited the work being done in the apparel and accessories industries. Six brands of lingerie were reduced to two and sixty-one sizes of shelf boxes were cut to three, he said. Six different sizes of boxes for men's hosiery were reduced to three and sixteen shirt and pajama boxes to six.

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Kentucky Distilleries Asked To Make High Wines Test

Louisville, Ky., April 8, 1942

All of the Jefferson county distilling plants surrounding and in Louisville have been advised by the War Production Board that they are to undertake a four-day test run on crude spirits, or high wines, which in the case of plants that haven't rectifying columns to produce 190-proof stock, will be shipped in tankcars to the Commercial Solvents Company plant, at Terre Haute, Ind., and there rectified into standard 190-proof spirits.

Distillers recently were asked to quote prices, f.o.b. plant, based on 85-cent corn.

Brown Forman Distillery and the Louisville division of Seagram were already making 190-proof spirits for the government, but it was indicated that they could probably furnish additional quantities of low-proof. The rest haven't the equipment for making spirits of the high-proof variety and but few of them have had any experience at all in producing or furnishing spirits, and haven't even any idea of what their costs would be.

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Martin Celebrates 25 Years With Winthrop Chemical Co.

Officers and employees of the Winthrop Chemical Company and other subsidiaries of Sterling Products, Inc., recently honored John H. Martin, secretary of the Winthrop company on the anniversary of his twenty-fifth year with the firm and its predecessors. Mr. Martin started his pharmaceutical career as owner of a retail pharmacy in St. Louis. In 1917 he joined the staff of the H. A. Metz Laboratories, which became associated with the Winthrop company in 1926 was absorbed nine years later. Mr. Martin was named secretary of the Winthrop company in 1929.

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Antifreeze Saving Aided By Year-Around Use

Automobile owners can best save 'Zerone' and 'Zerex' antifreeze fluids for next Winter by leaving them right in the car's radiator, chemists for E. I. du Pont deNemours & Co. have advised. These two brands of antifreeze, they said, were developed especially for year-around use, protecting against freezing in the Winter and preventing rust and corrosion during Summer months. To save them this way it is necessary that cooling systems be absolutely tight, they emphasized and that they be checked periodically against leaks and mechanical defects.

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Hoffmann-LaRoche Boosts Pay for 1,000 Employees

A 10 percent increase in salary for all employees earning up to $70 weekly was announced last week by Hoffmann-LaRoche, Inc., pharmaceutical manufacturer, Nutley, N. J. The increase, affecting more than 1,000 workers, is the second granted by the company in six months. Adjustments also will be made in salaries in the higher brackets.

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Halibut Liver Oil Producers Name Mercer Manager

Halibut Liver Oil Producers of Seattle, Wash., has appointed Lester H. Mercer general sales manager with offices at 790 Broad street, Newark, N. J. The company is engaged in the extraction of vitamin oils from fish livers. Mr. Mercer recently resigned from Johnson & Johnson, New Brunswick, N. J.

A.P.M.A. Convention Hotel Rates Listed

Hotel rates for the convention of the American Pharmaceutical Manufacturers Association, to be held in the Homestead, Hot Springs, Va., is $11 daily for single rooms and $20 daily for double rooms, and not $10 and $18 as stated in the REPORTER April 13.

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Penna Salt to Erect New Plant

Pennsylvania Salt Manufacturing Company, Philadelphia, has arranged for construction of a new plant in the Philadelphia area at a cost of $1,750,000. The plant is expected to be in operation within six months.

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United Jewish Appeal Dinner Speakers Named

Pierre Huss, well known foreign newspaper correspondent, and Monroe Goldwater, prominent attorney, will be the guest speakers at the annual dinner of the Drugs, Cosmetics and Allied Trades Division of the United Jewish Appeal May 7 at 6:30 p.m. at the Hotel Pennsylvania. The dinner will honor George F. Gardner, executive vice-president of the Druggists Supply Corporation, Hugo Mock, counsel for the Toilet Goods Association, and William F. Murtha, dean of drugs and cosmetics buyers.

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Petroleum Products

Increased Tankcar Movement Gives Strength to Group 3 Markets —Gasoline Higher in Midcontinent—Industry Council Would Make Gasoline Station Restrictions Nation-Wide

Markets for refined petroleum products were evidencing more firmness last week, a reflection of the increased movement by tankcars. This was especially true of gasoline in the Midcontinent, where prices were advanced ⅛c. per gallon. This was the first show of strength in two months, during which period prices declined ⅝c. per gallon. Shipments from the Gulf Coast have not been as heavy, however, and stocks are continuing to increase there.

In Washington, the Petroleum Industry War Council went on record as favoring the extension to all gasoline stations in the United States of the limitation on operating hours now in effect in the East. The council would replace the present twelve-hour-day and seventy-two-hour-week schedule with one calling for a twelve-hour-day and an eighty-four-hour week.

Price Changes

Advanced

Gasoline, Group 3, ⅛c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Demand for these products remained very heavy last week. Offerings were restricted by tight supplies.

Cleaners' Naphtha.—Little change was reported in this direction. Buyers continued to show good interest. Principal problem was one of making deliveries. Prices firm.

Lacquer Diluent.—Tightness continued to characterize the market for both grades of this material. Suppliers were limiting offerings, with war orders getting preference. Movement was retarded by transportation difficulties. Prices were steady.

Mineral Spirits.—The paint trade continued to create an active market here. Buying interest was well sustained.

Rubber Solvent.—Demand for this material was further restricted. Producers of rubber products continued to encounter difficulty in obtaining other basic material. Prices were unchanged.

Stoddard Solvent.—Movement held well. Demand was normal. Prices firm.

V.M. & P. Naphtha.—Similar to mineral spirits, the market here was buoyed by buying on the part of paint manufacturers. Offerings were normal.

Markets at Other Centers

Chicago—April 17

Trade in most grades of these materials has held up well. The paint industry demand is mostly extensive.

Aromatic Naphthas.—Demand good, prices strong.

Cleaners' Naphtha.—Tone firm, prices stiff.

Lacquer Diluent.—Good demand, quotations steady.

Mineral Spirits.—Paint industry demand good, prices stiff.

Rubber Solvent.—Demand fair, prices hold.

Stoddard Solvent.—Good movement, prices steady.

V. M. & P. Naphtha.—Buying fair, no market change.

New Orleans—April 17

Movement of solvents and diluents was slow on the Gulf Coast. Transportation facilities being a problem, these products were given secondary consideration in shipping. Demand remained fair.

Cleaners' Naphtha.—Little of new note developed. Stocks were fairly large. Prices were showing signs of weakening.

V.M. & P. Naphtha.—Movement was in good volume when facilities could be obtained. Demand held well. Prices were steady and unchanged.

San Francisco—April 16

Packing problems and the influence of public building restrictions are factors tending to slacken the demand for paint naphthas and thinners.

Aromatic Naphthas. — Exceptionally strong buying pressure.

Petroleum Thinners.—Demand slackened in some quarters.

V. M. & P. Naphthas.—Some slowing down in interest.

Stoddard Solvent.—A fair interest involved.

Tulsa—April 17

The market for solvents and diluents showed little of new development during the period under review. Demand held to good levels but shipments were curtailed by inability of suppliers to move material. Prices remained firm.

Lacquer Diluent.—Supplies were limited, although offerings were made more freely than in previous week. Prices were steady.

Mineral Spirits.—The paint trade continued to show a good interest in offerings. Quotations were unaltered.

Rubber Solvent.—Buying was curtailed. Offerings more normal. Prices firm.

Stoddard Solvent.—Little of new interest. Offerings, demand, prices at previous levels.

V.M. & P. Naphtha.—Fairly large movement to paint manufacturers. Prices firm.

Lighter Fractions

Butane.—Movement restricted by low stocks. Prices firm.

Heptanes.—Laboratory and industrial grades in good demand. Offerings fairly large. Prices unchanged and steady.

Hexanes.—Movement held to good levels. Buying interest well sustained. Prices unchanged.

Octanes.—The market continued to move in a steady groove. Little change in either offerings or demand. Prices steady.

Pentanes.—A further improvement in buying interest was reported. Movement into consumption was larger during the week. Prices were unaltered.

Propane.—Similar to butane, buyers were encountering difficulty in obtaining their needs, due to the low stocks. Offerings were very limited. Prices firm.

—*Continued on page* 58

Paraffin Wax

The additional cost of shipping paraffin wax in cotton bags may be added to the maximum prices, according to an interpretation of price schedule No. 42 issued by the Office of Price Administration last week. The The term "bag" used in the original order referred to burlap bags.

The interpretation was given after a member of the paraffin wax industry had pointed out to the OPA the additional packaging costs which followed the virtual stoppage of burlap shipments due to the war.

The OPA said that paragraph (e) of the schedule permits the addition to maximum prices of a "reasonable charge for additional costs, if any, of the containers" if containers other than those specified are used. It is required, however, that such additional charges shall be shown as separate items on all records and invoices.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

Gasoline, Kerosene Tanker Freight Rates Advanced

Increases on surcharges on tanker freight rates between United States Gulf, Caribbean and North Atlantic ports have been announced by the War Shipping Board. The new surcharges will bring gasoline and kerosene transportation costs up to approximately 3c. per gallon, compared with a pre-war rate of around 1c.

Anderson-Prichard Issues Pamphlet on Naphthas

Anderson-Prichard Oil Corporation, refiners of industrial naphthas, Oklahoma City, Okla., has just issued a pamphlet on its "deodorized" naphthas, which, the company warns, should not be confused with so-called odorless naphthas. Their treatment, the company states, and the resultant product is different chemically. Copies of the pamphlet or any technical information on the deodorized naphthas may be obtained by writing the Chicago laboratory of the company, 3921 Ravenswood avenue, or its New York laboratory, 242 West Fifty-fifth street, mentioning the REPORTER.

Penn Oil Output Increase Sought by Bureau of Mines

OPD Washington Bureau
April 15, 1942

The Bureau of Mines today opened a new field office in Franklin, Pa., for the purpose of studying petroleum production problems in the Appalachian region and means of increasing the output of Pennsylvania grade crude oil. C. J. Wilhelm, formerly with the Bartlesville, Okla., experiment station, heads the new office.

Petroleum Specialties, Inc. Adds to Office Space

Petroleum Specialties, Inc., 570 Lexington avenue, this city, has taken additional office space at its current address. The company is a distributor and exporter of petroleum products.

penn drake petroleum products

Penn-Drake WHITE OILS have the fine qualities you seek

BLEND READILY

A smoother cream or other preparation is obtained with Penn-Drake White Oil base because it is made to blend readily with other ingredients. Furthermore, there is little or no tendency for separation of liquid from solid ingredients. Waxes dissolve readily and stay finely divided.

FREE FROM COLOR, ODOR, TASTE

Being crystal clear and water white, Penn-Drake White Oils bring added brilliance to your preparations. They never become cloudy or develop an unpleasant taste or odor that would be detrimental to your products.

PERMANENT

Extreme care and precision in refining, based on almost eighty years experience, produces White Oils that retain their fine qualities PERMANENTLY. The practical value of this feature (which prevents deterioration on dealers shelves) has caused many manufacturers of cosmetic, medical and other preparations to standardize on Penn-Drake White Oils.

WRITE *for full information, specifications, etc., on Penn-Drake White Oils or other petroleum products. To save time, give us complete data on your requirements. Address Dept. 107.*

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Petroleum Products

Lighter Fractions

—*Continued from page* 57

Markets at Other Centers

Chicago—April 17

Strong market tone continues in most grades of material. Supplies in general remain restricted.

Butane.—Demand large, prices strong.

Heptane.—Market demand brisk, prices firm.

Hexane.—Good buying, no price change.

Octanes.—Call brisk, market strong.

Pentanes.—Demand holding up, firm quotations.

Propane.—Offerings limited, market stiff.

San Francisco—April 16

The strings of supply on the lighter fractions are being drawn tighter by producers, who are tending to keep these materials and turn them into the manufacture of more vitally needed products.

Butane.—Very light offerings.

Propane.—Demand good; supply light.

Tulsa—April 17

The market for these products remained active during the week, with conditions little changed from those of the past few months. Transportation difficulties continued to plague suppliers.

Butane.—Very tight. Offerings limited. Prices firm.

Pentanes.—Demand continued to improve. Difficulty in moving large amounts hampered the market. Prices were firm and unrevised.

Propane. — Tightness remained the dominant feature of the market. Quotations were unaltered.

Petrolatums and Waxes

Paraffin.—Crude scale material remained very short, with few civilian consumers able to obtain their full needs. Brisk movement to war industries was reported. Prices were steady.

Petrolatums.—Continued improvement in buying interest was noted by producers. Movement was larger and in better volume. Tone was stable.

White Mineral Oils.—The market continued to gain strength as demand improved. Prices were firm.

Markets in Other Centers

Chicago—April 17

Offerings remained in limited amount, with demand good, trade healthy.

Paraffin.—Call good, prices firm.

Petrolatums.—Demand active, market stiff.

White Mineral Oils.—Business brisk, prices hold.

Los Angeles—April 16

Market steady; demand continues to run very good, but producers' facilities to meet demand is not sufficient.

Tulsa—April 17

The tightness in crude scale paraffin showing little sign of abating during the week. Demand was very heavy. Other products were in fair call.

Paraffin.—Very scarce. Demand large. Prices unchanged.

Petrolatums. — Fair movement. Tone stable.

Fuels and Lubricants

Gasoline.—Very tight. Demand large. Prices firm.

Kerosene.—Routine call. Prices unchanged.

Lubricating Oils.—Heavy demand for Pennsylvania grades. Prices firm.

Markets at Other Centers

Chicago—April 17

Gasoline was firmer. Kerosene was opening up seasonally.

Gasoline.—Better demand, tone steadier.

Kerosene.—More interest, prices firm.

Lubricating Oil.—Call good, market firm.

New Orleans.—April 17

Gasoline. — Continued to accumulate here due to the shortage of tankers. Prices easy.

Kerosene.—Stocks larger. Prices weakening.

Tulsa—April 17

Gasoline. — Movement larger. Prices up ½c. per gallon.

Kerosene.—Little changed. Market firm.

Lubricating Oils.—Movement restricted. Demand heavy.

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Mathieson Alkali Works, this city, has moved its carbon dioxide sales office from Washington to the Norris building, Atlanta, Ga.

Oil Pipeline Relocating Planned by Ickes

OPD Washington Bureau
April 13, 1942

An emergency program announced today by Petroleum Coordinator Ickes calls for the digging up and relocation of more than 1,400 miles of pipelines, to provide a greatly increased overland movement of oil to the East, where a shortage has occurred because of the diversion and loss at sea of tankers. The increased movement obtained will be further supplemented by increasing the facilities of some lines and reversing the flow of others.

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Gulf, Indiana Standard Plan to Make Butadiene

Plans for the production of butadiene, synthetic rubber base, have been announced by the Gulf Oil Company and the Standard Oil Company of Indiana. Gulf and four other concerns have organized the Neches Oil Company to design and build a plant in Texas. The location of the Indiana Standard plant has not been selected.

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Canada to Make Synthetic Rubber

Plans are being formulated in Canada to manufacture synthetic rubber from petroleum pipe-lined from the mid-continent fields of the United States, according to the Department of Commerce. Work on a plant to be erected in Sarnia, Ont., the terminus of Imperial Oil's pipe line, will be started "as soon as possible" and is expected to be completed in fifteen months.

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Texas Refinery Closes

Tanker losses by enemy submarines and the restriction in consumption of petroleum products in the East have forced the Texas Company to close its refinery in Houston, Texas. The plant has a capacity to process 25,000 barrels of crude oil daily.

Rotenone Uses Restricted by M-133

—*Continued from page* 3

not affect the use of such products already manufactured. The text of the order, in part, follows:—

Definitions

"Rotenone" means the chemical compound of that name derived from timbo, barbasco, cube or derris root, whether in the form of powder, dust or liquid extract.

"Dealer" means any person, including an importer, manufacturer and farmer's cooperative, selling rotenone or offering rotenone for sale.

Restrictions on Use

Except as specifically authorized by the director of industry operations, no person shall hereafter use rotenone or any product containing rotenone except for one or more of the following purposes:—

(1) Use by the Army or the Navy as a delousing agent, or the manufacture of any preparation for such use by the Army or the Navy.

(2) Use in the protection of food crops other than cotton, tobacco, cranberries, eggplant, cucurbits, onions, peppers and sweet corn, or the manufacture of any preparation for such use; provided, however, that this order shall not be construed to prevent the use by any person of any product containing rotenone for a purpose other than those uses specifically authorized, as listed above, where such product was manufactured or prepared prior to the effective date of this order.

Restrictions on Processing

No person using rotenone in the manufacture of any spray, dust, powder or other preparation intended for a use permitted by this order shall put in process or use rotenone in such manufacture at a rate greater than is necessary to permit him to meet required deliveries of his finished products and to maintain a practicable minimum working inventory of such finished products.

Imports of rotenone from Latin America, normally half the United States' supply, are expected to increase sharply next year. Meantime, shipments of pyrethrum, a satisfactory substitute for household uses, continue to arrive from Africa and are not restricted.

MEANS ★★ *Thrift of Time*

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

Today, as always, these Anderson-Prichard diluents and thinners are going into the finest products of the industry. They are contributing quality, but they are doing something more — their dependability is helping manufacturers save time — and that's mighty important right now. There may be "too little" of these good naphthas available, but it is never "too late" for you to call on our Research Department when you need technical assistance.

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Fertilizer Materials

Washington Conference on Fish Scrap Prices Brings No Results—Superphosphate Being Sold at Higher Prices—Blood Advanced at New York and Chicago

Fish scrap grinders met with officials of the Office of Price Administration last week to protest the low maximum prices established for scrap in price schedule No. 73. Results of the conference were not encouraging to grinders, the OPA having held out little hope that the ceiling prices would be changed.

Meanwhile, the fishing industry suffered another setback in an order which restricts operations to daylight only. The order was issued as a protective measure against submarine activities in coastal waters.

Markets showed little change last week. Chemicals remained very tight. Increasing costs resulted in some suppliers of superphosphate trading at prices 50 cents to 85 cents per ton higher than those now quoted. Nitrate of soda allocations remained effective, and sulphate of ammonia was being doled out, due to scarcity. In the organics end, blood was higher at New York and Chicago as a result of a greater demand from Midwestern feed manufacturers.

Nitrogenates

Castor Pomace.—Fair movement. Prices steady.

Cyanamid.—Movement restricted. Little offered.

Dried Blood.—Advanced 15c. per unit at New York to $5.40. Chicago price at $5.75, an advance of 25c. per unit.

Fish Scrap.—Trading virtually at a standstill. Florida operations under way.

Nitrate of Soda.—Material allocated. Demand heavy. Prices unchanged.

Nitrogenous Material.—Less active. Demand off. Prices firm.

Sulphate of Ammonia.—Demand good. Market tight. Tone stable.

Tankage.—Little changed. Better demand for feed grades. Prices steady.

Potashes

Demand for potash salts were well maintained during the week. Buyers continued to order in good volume. Producers were keeping careful check on stocks. Some tightness was apparent in various directions. Prices were firm and unchanged.

Phosphates

Bone Materials.—Tone stable. Demand fair.

Phosphate Rock.—Offerings normal. Demand holding. Prices steady.

Superphosphate.—Buying limited by small offerings. Demand heavy. Prices showing strength.

Sulphur and Pyrites

Market for crude sulphur was well maintained during the period under review. Demand was not unseasonal, but shipments were running ahead of the similar period last year. Offerings were normal. Transportation difficulties presented some problem. Prices were firm and unchanged.

Superphosphate

Total production of superphosphate during February was 402,160 tons, compared with 334,697 in February, 1941. Total shipments amounted to 582,594 tons, against 350,343. Stocks at the end of the month were 1,636,086 tons, compared with 1,967,724 at the end of the previous February.

Production in the first two months of the year amounted to 832,970 tons, against 673,243 in the similar period last year. Total shipments were 941,168 tons, compared with 582,151 in January-February, 1941.

Price Changes

Advanced

Blood, dried, dom., f.o.b. Chi., 25c. per unit.
f.o.b. N. Y., 15c. per unit.

Reduced

Nitrogenous material, 25c. per unit, Midwestern plants.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
71.0	71.0	71.0	68.0

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—April 17

Movement of mixed fertilizers to the farm is at full tide in the upper South, while shipments are about completed in the lower South. Some difficulty is reported in getting materials for finishing up the season, especially inorganic ammoniates. Nitrogenous tankage is quoted at $3 per unit, Midwestern points, a reduction of 25c.

Superphosphate.—61½c. per unit, interior producing points.

Sulphate of Ammonia.—$30 per ton ports.

Cottonseed Meal.—8 percent grade, $40 per ton, Southeastern mills.

Nitrogenous Tankage.—$3 per unit, Midwestern points.

Baltimore—April 17

The market for crude fertilizer materials is in an uncertain state, with trading virtually at a standstill. Some of the quotations are slightly firmer.

Fish Scrap.—There have been no sales of this ammoniate during the last week because grinders say they are unable to continue operations with the price of meal set at an advance of only $3 above that of scrap. Florida fishing companies have started operations and the first week reported a fair catch of fish, but the scrap produced will not come into the market immediately.

Superphosphate.—It is indicated that trading has been done at $10.20 per ton for run-of-pile and $10.80 for 16 percent milled and screened, with 20 percent material at $13.60.

Chicago—April 17

The fertilizer materials market is quiet with few changes in prices of principal products. Material is moving fairly well and inquiry is reported better on some products, such as blood. Bone materials are in good call, with steadiness generally evident.

Blood.—Principal grade, $5.75 per unit of ammonia.

Tankage.—High grade, feeding, $5.50 and 10c.; hoofmeal, $4 to $4.50; liquid stick, $2.40 to $2.50.

San Francisco—April 16

All fertilizers remained firm last week, reflecting light supplies. In most cases a good buying interest was involved.

Nitrate of Soda.—$33 per ton in 100-pound bags; $32.40 in 167-pound bags; bulk, $30.

Superphosphate.—89c. per unit, bulk, f.o.b. San Francisco; bags, $1.02.

Fish Meal.—Firm, reflecting rapidly diminishing supplies.

Bone Meal.—Steamed, $47.50 per ton, San Francisco.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

National Fertilizer Ass'n, Greenbrier Hotel, White Sulphur Springs, West Virginia, June 8-10.

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STEEL—2 Welded 100 Gal. Steel Kettles with agit.
1 Cast Iron 500 gal.; 1 Cast Iron 1,700 gal.
COPPER—Over 50 Kettles up to 100 gal.; 25 Kettles up to 500 gal.
Several Jacketed Glass Lined Units, 220 gal. to 1,000 gal.

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Just compiled; complete list of all types of Filter Presses from 24" to 42" now available; send for it; over 50 units listed

MIXERS

Dry Powder Mixers of standard makes from 50 gal. to 3,000 gal.
Heavy Duty Jacketed Mixers; Abbe; W. & P., others

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Swenson Triple Effect Evaporators, 6' x 12'
Swenson Single Effect No. 3 Evaporator
Buffalo Foundry Cast Iron Triple Effect Evaporator
Zaremba Double Effect Copper Evaporator
Pfaudler Glass Lined Evaporators

DRYERS

Bonnet Direct Heat Dryers (2) 6' x 60'
Devine Vacuum Chamber Dryers, several sizes
Buffalo Vac. Dryer Laboratory unit
Gehnrich, Proctor & Schwartz Truck and Tray Dryers
Louisville, Groupe, Davenport Tubular Steam Dryers

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Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Wanted

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Factories Offered

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Materials Offered

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Materials Wanted

SURPLUS STOCKS.—We are interested in purchasing surplus stocks of raw materials such as gums, essential oils, waxes, fibres and other imported raw products. Samples should accompany offerings. John P. Eberhart Company, 80 Wall street, New York.

Positions Vacant

LARGE PHARMACEUTICAL manufacturer is seeking a person to serve, after adequate training, as administrative manager of a manufacturing plant. In addition to a broad background in organic and pharmaceutical chemistry, he must have executive ability. Send a statement of education, experience and qualifications to BOX 728, Oil, Paint and Drug Reporter.

TABLET COATER—Thoroughly experienced in large production. State full particulars and experience. Reply will be held in strict confidence. BOX 729, Oil, Paint and Drug Reporter.

TABLET COATER wanted; an excellent position for a draft exempt man of experience and ability. BOX 732, Oil, Paint and Drug Reporter.

SALESMEN who are now covering hardware paint and lumber dealers, to sell national product as side line. Write qualifications. Box 742, Oil, Paint and Drug Reporter.

CHEMIST with hormone and pharmaceutical experience to supervise and control established processes, and developmental work. BOX 743, Oil, Paint and Drug Reporter.

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CHEMICAL SALES research.—Manager wanted with sales experience in laundry industry. Must be college graduate of superior intelligence, analytical, inquiring mind, energetic, ambitious, some familiarity with chemistry. Good salary and opportunity with well established national manufacturer.. Write fully to Room 921, Society for Savings Building, Cleveland, Ohio.

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Bids Wanted

Aluminum Hydrate:—1,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Blue Toner:—15,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Bronze Blue:—2,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Carbon Black:—35,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Calcium Arsenate:—14,600 pounds, calcium; Division of Purchase, Sales & Traffic Department of Agriculture, Washington, D. C.; invitation 1728-42, opening April 22.

Castor Oil:—125,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Chlorinated Diphenyl: — 2,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Cobalt, Drier:—5,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Copperas: — 800 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Diethyleneglycol:—5,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Ethyl Acetate:—600 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Ferric Chloride:—1,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Glycerin:—12,000 pounds; Office of the Public Printing, Government Printing Office, Washington opening May 11.

Hexahydric Alcohol: — 30,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Lampblack:—12,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Lanolin:—20,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Lithographic Varnish: — 71,100 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Magnesium Carbonate: — 1,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Milori Green:—5,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Mineral Oil:—8,000 pounds; Office of the Public Printing, Government Printing Office, Washington, D. C.; opening May 11.

Paint:—1,000 gallons; white lead-zinc base; Procurement Division, Treasury Department, Washington; invitation 1832-RS5.; opening April 20.

Paraffin Oil:—8,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Paste Drier:—2,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Rosin Oil Varnish:—55,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Soap:—7,013 pounds; Purchasing Agent, Post Office Department, Washington; invitation 72; opening April 20.

Soda Caustic:—1,200 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Soda Phosphate:—30,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Sodium Sesquisilicate: — 5,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Sulphur:—4,400 pounds ground; Division of Purchase, Sales & Traffic, Department of Agriculture, Washington, D. C.; invitation 1732-42; opening April 22.

Titanium Dioxide:—4,000 pounds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Toner, Paste:—5,500 ponuds; Office of the Public Printing, Government Printing Office, Washington; opening May 11.

Violet Toner:—1,500 pounds; Office of the Public Printing, Government Printing Office, Washington; opening bid May 11.

Allied Chem. to Continue Fellowship Plan

Allied Chemical & Dye Corporation, this city, will continue its graduate fellowship plan in the academic year 1942-43. The company feels that the encouragement of advanced training in chemistry and chemical engineering through aid to outstanding graduate students is of even greater importance now than in peacetime. The recipients of the fellowships and the subjects are chosen by the universities; subjects are not restricted to those connected with the products or interests of Allied's operating divisions and subsidiaries. Stipend of each fellowship is $750.

The universities and colleges to which awards have been made for 1942-43 are:—University of California, California Institute of Technology, Columbia University, Cornell University, Harvard University, University of Illinois, State University of Iowa, Massachusetts Institute of Technology, University of Michigan, University of Minnesota, Northwestern University, Ohio State University, University of Pennsylvania, Pennsylvania State College, Princeton University, Purdue University, University of Wisconsin, Yale University.

See Page 28

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300 bgs, 60,000 lbs, Philip Carey & Co
1,000 bgs, 200,000 lbs, Ehret Man Mfg Co
BONES—5,578 bgs, Swift & Co
3,762 bgs,
BUCHU LEAVES—18 bls, 5,409 lbs, Lo Curto & Funk
CHROME ORE—8,380 tons, 7 cwts, 2 qtrs, 10 lbs, E J Lavino & Co
COCOA BEANS—12 bgs, 2,352 lbs, Balfour, Guthrie & Co
400 bgs, 79,600 lbs, Kennedy, Butcher & Co
250 bgs, 50,750 lbs, Nieschlag & Co
270 bgs, 51,000 lbs, Farr & Co
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500 bgs, 100,500 lbs, Wessel Kulenkampf & Co
COCONUT, DESIC—5,419 cs, 704,470 lbs, General Food Corp
COLOMBO ROOT—398 bgs, R J Prentiss & Co
COLUMBITE ORE—2,440 bgs, 91 tons, 6 cwts, 4 lbs, Union Ore Corp
CORK DISCS—83 bgs, Crown Cork & Seal Co
WASTE—17,454 bls, Crown Cork & Seal Co
COTTON HULL FIBER—621 bls, Hercules Powder Co
LINTERS—8 bgs, J E Bernard & Co
2 bgs, Norton Lilly & Co
553 bls
MOTES—97 bls
FISH LIVERS—41 cs, Reed & Romano
GELATIN SHEET—200 bgs, Public National Bank Trust Co
GLUE—500 bgs
HIDE—100 bgs, First National Bank
SKIN—100 bgs, National City Bank
GLUESTOCK—300 bls, 71 tons, 6 cwts, Darmstadt, Scott & Courtney
41 bls,
GRAINS OF PARADISE—14 bgs, 1 ton, 2 cwts, 21 lbs, Barclay Bank
GRAPHITE—1,179 bgs, 235,800 lbs, Standard Bank South Africa
GUM, ARABIC—95 bgs, 9 tons, 10 cwts, 2 qrs, 17 lbs, Barclay Bank
KARAYA, 333 bgs, 53,280 lbs, Frank Vliet Co, Inc
NIGER—409 bgs, 21 tons, 49 cwts, 4 qtrs, 35 lbs, Chicle Development Co
TRAGACANTH—1,171 bgs, Morteza Khosrovschahi
TRAGACANTH RIBBON—172 cs, Morteza Khosrovschahi
KOLA NUTS—120 bgs, 10 tons, 7 cwts, 2 qtrs, 5 lbs, Barclay Bank
262 bgs, 20 tons, 15 cwts, 3 qtrs, 20 lbs, Brown Bros Harriman Co
128 bgs, 10 tons, 8 cwts, 2 qtrs, 3 lbs, Gillespie & Co
MANGROVE BARK—9,869 bgs, 1,776,420 lbs, M S Kattenhorn & Co
MANGANESE ORE—6,000 tons, M Goloditz & Co
6,300 tons, Electric Metallurgical Co
3,000 tons,
2,400 tons, Carnegie Illinois Steel Co
MICA—118 cs, Public National Bank Trust Co
BLOCK—50 cs, Ford Radio & Mica Corp
50 cs, J F Garneau
61 cs, National City Bank
CUT—4 cs, J F Garneau
DISCS—6 cs, National City Bank
FILM—1 cs, J F Garneau
8 cs, Irving Trust Co
9 cs, National City Bank
FILM CONDENSER—2 cs, Ford Radio & Mica Corp
SPLITTINGS—170 cs, Cornelis & Suhr
300 cs, J F Garneau
16 cs, National City Bank
110 cs, Irving Trust Co
OIL, CHINAWOOD—2,500 dms, 500 tons, Universal Trading Corp
COTTONSEED—523 dms
FUEL—114,000 bbls, 4,788,000 gals, Standard Oil Co of N J
JASMINE—10 cs, Brown Bros Harriman Co
SUNFLOWER SEED—864 dms, Bank of London, South America
152 dms
OIL MILL MOTES—191 bgs, West Texas Cotton Oil Co
PAPAIN—35 cs, 2,800 lbs, R J Prentiss & Co
QUEBRACHO EXTRACT—8,503 bgs, 102,036 lbs, First National Bank
8,350 bgs, 1,002,000, International Product Corp
10,097 bgs, 1,211,640, Garovaglio & Zorraquim
17,377 bgs, 2,085,240 lbs, The Tannin Corp
16,091 bgs, 2,002,920 lbs
RUTILE ORE—500 bgs
SCHEELITE ORE—129 bgs, 20,640 lbs, Watson Geach & Co
95 bgs, 15,380 lbs, Overseas Metal & Ore Corp
SHELLAC—1,450 bgs, 237,800 lbs, Mac Lac Co
200 bgs, 32,800 lbs, Mantrose Corp
700 bgs, 114,800 lbs, Gillespie-Rogers-Pyatt Co
100 bgs, 16,400 lbs, Wm Zinsser & Co
100 bgs, 16,400 lbs, Schwab Bros Corp
250 bgs, 41,000 lbs, Harrison & Crossfield
1,750 bgs, 287,000 lbs, E E Androvette
100 bgs, 16,400 lbs, A Hurst & Co
1,600 bgs, 262,400 lbs, Ralli Bros
1,000 bgs, 164,000 lbs, Carleton & Moffat
20 cs, 3,280 lbs, National City Bank
BUTTON LAC—200 bgs, 22 tons, 6 cwts, 3 qtrs, 12 lbs, Gillespie-Rogers-Pyatt Co
GARNET LAC—100 bgs, 16,400 lbs, Ralli Bros
50 bgs, 8,200 lbs, Mercantile Import & Export Co

SHELLAC, SEEDLAC—350 bgs, 57,400 lbs, A Hurst & Co
200 bgs, 32,800 lbs, Wm Zinsser & Co
700 bgs, 114,800 lbs, Mac Lac Co
1,000 bgs, 164,000 lbs, Mantrose Corp
500 bgs, 82,000 lbs, Gillespie-Rogers-Pyatt Co
300 bgs, 49,200 lbs, Ralli Bros
200 bgs, 32,800 lbs, United Shellac Co
250 bgs, 41,000 lbs, The Parks Co
750 bgs, 123,000 lbs, Schwab Bros Corp
TALLOW—239 cks, H J Baker & Bros
837 cks, Corn Exchange Bank
366 cks, Armour & Co
280 cks, Chase National Bank
318 cks, Swift & Co
1,550 cks
TEAWASTE—1,028 bgs, Maywood Chemical Works
TUNGSTEN ORE—63 bgs, 14,520 lbs, Overseas Metal & Ore Corp
WATTLE BARK—8,787 bls, 1,757,400 lbs, Hammond & Carpenter
WAX, BEES—31 bgs, 2 tons, 1 cwt, 1 qtr, 1 lb, A Hurst & Co
WINE LEES—1,667 bgs, A Mevi
WOLFRAM ORE—312 bgs, Watson, Geach & Co
ZIRCONIUM ORE—1,128 bgs

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Baltimore Imports

IRON ORE—12,100 tons, Bethlehem Steel Co
MANGANESE ORE—6,700 tons
PETROLEUM, CRUDE—68,000 bbls, Mexican Pet Corp

- - - —V- - -

Philadelphia Imports

CHALK—2,200 tons, Southwark Mfg Co
CHROME ORE—7,200 tons, E J Lavino & Co
QUEBRACHO LOGS—7,015 tons, Tannin Corp

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YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.

Mail lists of arrivals promptly and regularly, or telephone them—REctor 2-9820.

Flaxseed Loan Rates for 1942 Issued

—Continued from page 7

market rates less transportation and 4 cents per bushel handling costs. It is estimated that the average loan rate on flaxseed stored on the farm will be at least $2.20 per bushel. The loans will be made by Commodity Credit Corporation and the program will be administered in the field by the local committees of the Agriculture Adjustment Agency.

The general provisions of the flaxseed loan program are similar to those in effect last year. The discount for flaxseed grading No. 2 will be 5 cents per bushel. A deduction of 6 cents per bushel will be made unless evidence is submitted that freight has been paid and that freight bills have been registered for transit privileges.

No storage allowance is made for farm storage, and loans secured by warehouse receipts will be discounted 7 cents a bushel unless they carry an endorsement stating that storage charges have been paid through June 30, 1942. This deduction represents the estimated average of storage charges which the Commodity Credit Corporation would be required to pay if the producer failed to redeem his note.

Loans will be made through January 31, 1943, and the notes will mature on demand or June 30, 1943. Only flaxseed grading No. 2 or better will be eligible for loan. Seed containing more than 30 percent damage, or more than 11 percent moisture, or otherwise of low quality, is not eligible. Seed must also have been produced in compliance with the regulations of the AAA program.

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Freight Surcharges Hiked

OPD Washington Bureau
April 16, 1942

The War Shipping Administration today announced authorization of increased freight rate surcharges on cargoes of vessels operating from United States Atlantic and Gulf ports to Persian Gulf ports, and from United States Pacific coast ports to ports on the East coast of South America. The new surcharges are based on increases of operating costs due to war conditions.

For vessels operating in the trade from United States Atlantic and Gulf ports to Persian Gulf ports the War Shipping Administration has authorized a surcharge of 47 percent to be applied to the basic rate on all commodities in this trade. A surcharge of 18 percent in this trade was authorized on January 29, 1942. Since that time, the administration said, war risk insurance rates have advanced materially.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Four-Hundred-Fourteenth Instalment

Rayon

(Continued from March 30 issue)

Dyes for Particular Colors on Rayon

Blacks and Grays

Artificial slick black R[1]
Benzo fast black LA[1]
Benzo viscose grey 5B[4]
Black B[4]
Diaminogene extra[1]
Direct fast black HW[4]
Pluto black FA[1]
Pyrazol fast black RCW and L[2]
Pyrazol fast grey B and R[2]
Visco black N[1]
Viscoform black C[2]
Zambesi black DA[1]

Blues

4-Amino-1 anilino-8-hydroxyanthraquinone[1]
1-Amino-4-metatolidinoanthraquinone[1]
1-Amino-4-orthoanisidinoanthraquinone[1]
4-Amino-1-toluidino-8-hydroxyanthraquinone[1]
Benzo azurin G extra[1]
Benzo sky blue[2]
Benzo viscose blue BF, G, 3G, FL, R and R1[1]
Benzo viscose blue 3GFL, BF and extra conc[4]
Brilliant sky blue 8 GA[1]
Brilliant wool blue FFR[1]
Chloramine copper blue 3G[1]
Diazo brilliant blue 2 BL extra[1]
Direct fast cyanin CB[2]
Direct fast cyanin CR[1]
Fastusol blue LB and RRA[2]
Fastusol blue LLG and GR[1]
Isamin blue[5]
Methyl blue[5]
Navy blue N[4]
Pyrazol fast blue 8 GL[2]
Xylene fast violet[5]

Browns

Benzo brown D3GA conc.[1]
Benzo chrome brown B and R[1]
Benzo fast brown RI[2] and GRD[4]
Brown G and M[4]
Chloramine brown 2R[1]
Diamine bronze brown DE
Diamine catechin B[1]
Diamine catechin 3GD[2]
Direct fast brown M[1]
Direct brown BD[1]
Direct brown G[2]
Fastusol brown LGR and LBRL[4]
Fastusol brown RT
Oxamine acid brown G[2]
Pluto brown 2G[1]
Trisulphon brown TW[1]
Visco brown R[2]
Viscolan fast brown SR[2]

[1] Dischargeable dyes.
[2] Dischargeable to special whiteness.
[3] Direct cotton dyes—substantive dyes.
[4] Direct dyes, possessing good level dyeing properties and for covering barre effects.
[5] Acid dyes—affinity poor.
[6] Vat colors—good affinity and bright shades.
[7] Sulphur dyes—used to a limited extent as sodium sulphide makes rayon harsh.

Refrigeration

(Continued from April 13 issue)

Leak Warning Agents for Use in Refrigeration Systems

Acrolein
Alkyl bromoacetates
Allyl alcohol
Amyl mercaptan
Aromatic oils
Bromoacetone
Butyl bromoacetate
Chloropicrin
Crotonaldehyde
Diamyl sulphide
Ethyl bromoacetate
Ethyl mercaptan
Furoyl chloride
Isopropyl bromoacetate
Mercaptans
Methyl nitrite
Tetrachloroethylene

Refrigerants Used in Condensation and Evaporation Systems

Acetic acid stabilized by anhydrous ethyl alcohol or methanol
Aliphatic hydrocarbon derivatives
1:2-Chlorofluoroethylene
Difluorodichloromethane
Ethylisoamyl ether and toluene with paraffin and quinolin as corresponding absorbents
Tetrafluorochloroethane
Tetrafluorodichloroethane
Toluene with paraffin oil as absorption medium

Roaches

Ingredients of Roach-Repelling Compositions

Alum
Asbestine
Borax
Calcium hydroxide
Casein
Cement
Chalk
Clay
Glue
Gum
Magnesium carbonate
Marble dust
Plaster of paris
Pumice
Talc
Thymol
Whiting

Rubber

Antioxidants for Rubber

(Continued from April 13 issue)

Mesodibutylacridan
Mesodiethylacridin
Mesodimethylacridan
Mesodimethylnaphthacridanes
Mesodiphenylacridan
Mesodiphenylnaphthacridanes
Meso-disubstituted-acridan
Mesoditolylacridan
Mesoethylmethylacridan
Mesomethylphenylacridan
Meta-acetaminophenylbetanaphthylamine
Meta(paratoluenesulphonylamino)phenylbetanaphthylamine
Metapropylguaiacol
Metatoluylenediamine
3-Methoxy-4'-methyldiphenylamine
3-Methoxy-4'-methyl-4-methoxy-3:4'-dimethoxydiphenylamine
3-Methoxy-4'-methyl-4-methoxy-4:4-dimethoxydiphenylamine
Methyleneaminoacetanitrile
2-(Methyleneamino)diphenyloxide
Methylethyl ketonanil
6-Methylmercaptobenzimidazole
2-(Methyleneamino)diphenyloxide
N-Methylorthophenyldiamine with carbon bisulphide
N-Methylphenylalphanaphthylamine
Mixture of normal alkyl or aralkyl 2-amino-1:3:5-xylenol
Monochloroacetoneanilin
Morpholinmethyl-1:3:2-xylenol
M-U-F
Naphthohydroquinone
Naphthoxybenzylbutylamines
Naphthyl substituted benzidin
Naphthyl substituted tolidins
Naphthyl substituted xylidins
Naphthylene substituted diamines
1:2-Naphthylenediamine with carbon bisulphide
Neozone A (phenylalphanaphthylamine)
Neozone C (phenylalphanaphthylamine 92.5 percent; metatoluylenediamine 7.5 percent)
Neozone D (phenylbetanaphthylamine)
Neozone standard (metatoluylenediamine, 25 percent; stearic acid, 25 percent; phenylalphanaphthylamine, 50 percent
Nonox
Octadecenol
Octadecyl alcohol
Para-acetamidodiphenylamine
Para-acylaminodiarylamines with acid anhydrides
Para-acylaminodiarylamines with acid chlorides

(To be continued)

Tin

Special Reagents for Detecting Presence of Tin

Ammonium-nitrosophenylhydroxylamine
Cacothelin
Diazin green
2-Dinitrodiphenylamine sulphoxide
Dimethylglyoxime

Trees

Agents Used to Protect Trees from Caterpillars

Asphalt
Burlap, tarred
Coaltar
Felt, tarred
Gum thus and castor oil
Paper, tarred
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Wax

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Brown Company—*Chloroform*
Hawaiian Pineapple Co.—*Citric Acid*
Zinsser & Co.—*Gallic Acid, Tannic Acid*
Stauffer Chemical Co.—*Cream Tartar, Tartaric Acid*
British Cod Liver Oil Producers—*Cod Liver Oil*

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